


Municipality	LOCAL AGENCY	 Illinois Department of Transportation	CONSULTANT	Name Testing Service Corporation.
Township				Address 360 South Main Place
County Lake County – Division of Transportation		Preliminary Engineering Services Agreement For Non-Motor Fuel Tax Funds		City Carol Stream
Section Various 10-00000-05-EG				State Illinois

THIS AGREEMENT is made and entered into this _____ day of _____, _____ between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Non-Motor Fuel Tax Funds, allotted to the LA by the State of Illinois, under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely ~~or in part~~ to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name 2010 Material Service Season

Route _____ Length _____ Mi. _____ FT (Structure No. _____)

Termini _____

Description:

Varoious Projects-2010 Material Service Season

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. ☐ Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. ☐ Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. ☐ Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. ☐ Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. ☐ Prepare Army Corps of Engineers Permit, **Lake County Stormwater Management Commission Permit**, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. ☐ Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. ☒ Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with **one (1) copy of each document in both hardcopy and electronic format**. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at the ENGINEER's actual cost for reproduction.
 - h. ☐ Furnish the LA with survey and drafts in **duplicate** of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.
 - i. ☐ Assist the LA in the tabulation and interpretation of the contractors' proposals

DRAFT

j. ☐ Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.

k. ☐ Prepare the Project Development Report when required by the DEPARTMENT.

l. ☒ **Services as included and/or defined in the attached Scope of Services.**

2. That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies ~~of the LA of the DEPARTMENT~~. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA ~~and the DEPARTMENT~~.
3. To attend conferences at any reasonable time when requested to do so by representatives of the LA ~~or the Department~~.
4. In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that the ENGINEER will perform such work without expense to the LA, even though final payment has been received by the ENGINEER. The ENGINEER shall give immediate attention to these changes so there will be a minimum delay to the CONTRACTOR.
5. That basic survey notes and sketches, charts, computations and other data prepared or obtained by the ENGINEER pursuant to this AGREEMENT will be made available, upon request, to the LA ~~or the DEPARTMENT~~ without cost and without restriction or limitations as to their use.
6. That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by the ENGINEER and will show the ENGINEER's professional seal where such is required by law.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT according to the following method indicated by a check mark:
- a. ☐ A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
- b. ☐ A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost	
Awarded Cost	Percentage Fees
Under \$50,000	_____ (see note)
	_____ %
	_____ %
	_____ %

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

2. To pay for all services rendered in accordance with this AGREEMENT at the actual cost of performing such work plus _____ percent to cover profit, overhead and readiness to serve - "actual cost" being defined as material cost plus payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at the ENGINEER's actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided in section 1 of the ENGINEER AGREES. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus an additional service charge of up to five (5) percent.

"Cost to Engineer" to be verified by furnishing the LA ~~and the DEPARTMENT~~ copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

The Total Not-to-Exceed Contract Amount shall be \$70,405.00 as Described in TSC Proposal No. 43,941

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:
 - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by section 1 of the ENGINEER AGREES - to the satisfaction of the LA ~~and their approval by the DEPARTMENT~~, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
 - b. Upon award of the contract for the improvement by the LA ~~and its approval by the DEPARTMENT~~, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in sections 1 and 3 of the ENGINEER AGREES and prior to the completion of such services, the LA shall reimburse the ENGINEER for the ENGINEER's actual costs plus ___ percent incurred up to the time the ENGINEER is notified in writing of such abandonment - "actual cost" being defined as in paragraph 2 of the LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of the ENGINEER AGREES, ~~after they have been approved by the DEPARTMENT~~, the LA will pay the ENGINEER for such changes on the basis of actual cost plus ___ percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 2 of the LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of the ENGINEER's responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with section 4 of the LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA ~~and their approval by the DEPARTMENT~~, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA ~~and the DEPARTMENT~~.
4. That the ENGINEER warrants that the ENGINEER has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that the ENGINEER's has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in triplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

County of Lake of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By County Board

Lake County Clerk

(Seal)

By

Title Chairman of the County Board

RECOMMENDED FOR EXECUTION

Martin G. Buehler, P.E.
Director of Transportation/County Engineer
Lake County

Executed by the ENGINEER:

Testing Service Corporation

ATTEST:

Engineering Firm
360 South Main Place
Street Address
Carol Stream, Illinois
City, State

By Michael Geroulis

Title Treasurer

By Allen L. DuBose

Title President

Note: Three (3) Original Executed Contracts – (2) LCDOT; (1) Consultant

December 28, 2009



Mr. Matt Beckley
Lake County Division of Transportation
600 West Winchester Road
Libertyville, Illinois 60048

RE: P.N. 43,941 Revised December 28, 2009
Construction Material Engineering
2010 Material Service Season
Lake County, Illinois



TESTING SERVICE CORPORATION

Local Offices:

457 E. Gundersen Drive, Carol Stream, IL 60188-2492
630.653.3920 • Fax 630.653.2726

401 N. Riverside Drive, Suite 24, Gurnee, IL 60031-5914
847.249.6040 • Fax 847.249.6042

203 Earl Road, Suite A, Shorewood, IL 60404-9446
815.744.1510 • Fax 815.744.1728

8201 W. 183rd Street, Suite C, Tinley Park, IL 60477-9249
708.429.2080 • Fax 708.429.2144

650 Peace Road, Suite D, DeKalb, IL 60115-8401
815.748.2100 • Fax 815.748.2110

2235 23rd Avenue, Rockford, IL 61104-7334
815.394.2562 • Fax 815.394.2566

Dear Mr. Beckley:

Per your request, Testing Service Corporation (TSC) is pleased to submit this proposal to provide the Construction Materials Engineering Services that will be requested by you for the above referenced project. The broad objectives of our work will be to conduct and interpret tests and report our findings as directed by Lake County Division of Transportation.

TSC is staffed and equipped to provide any of the following services that may be ordered by you:

- **Field Quality Control Services**
 - Observe proof-rolling operations.
 - Recommend amount of undercut using IDOT cone penetrometer procedure.
 - Perform in-place density tests on engineered fill/backfill and granular base course
 - Test plastic concrete for slump, air content, temperature, unit weight and cast test cylinders.
 - Establish rolling pattern for bituminous concrete pavement mix with nuclear density gauge.
 - Pickup samples in the field for laboratory tests.
- **Bituminous Concrete Batch Plant Quality Control Services**
 - Daily hot bin and extraction analysis.
 - Sampling and testing of stockpile materials.
 - Check and adjust mixing formulas, as necessary.
 - Check temperatures of bitumen, drum and final mix.
 - Mold Marshall samples and check for stability and flow or determine density of Prepared (HMA) specimen by means of Gyratory Compactor.
 - Other tests as required by current IDOT procedures guide.
- **Portland Cement Concrete Batch Plant Quality Control Services**
 - Verify that current IDOT mix design is being used.
 - Check moisture content of fine aggregate.
 - Perform sieve analysis on stockpiled materials, as required by IDOT criteria.
 - Check the slump, air and temperature of final mix.
 - Other tests, as required by current IDOT procedure guide.
- **Laboratory**
 - Perform laboratory compaction curve for each soil type used.
 - Determine density and thickness for core samples submitted by contractor.
 - Aggregate gradation and soundness analysis.
 - Perform compressive and flexural strength tests for concrete cylinders and beams.
 - Other tests, as required.

Providing a Full Range of Geotechnical Engineering, Environmental Services, and Construction Materials Engineering & Testing

Carol Stream, IL • Bloomington, IL • DeKalb, IL • Gurnee, IL • Shorewood, IL • Tinley Park, IL • Rockford, IL

TSC's field technicians are represented by Local 150 of the International Union of Operating Engineers. Supervision of the testing, observation and reporting is provided by a Registered Professional Engineer. Reports will generally be issued on a weekly basis as work progresses. Invoices will be issued monthly, subsequent to the reporting period.

A budget amount of Seventy Thousand Four Hundred Five Dollars (\$70,405.00) is recommended for your project for the twenty-six week construction season. It is assumed that the season will be divided with 13 weeks will be dedicated to Portland Cement Concrete Testing and 13 weeks dedicated to Hot Mix Asphalt Testing. This estimate is based on Lake County Division of Transportation directions and prior experience on similar projects. TSC's itemized estimate is included in the "Assumptions and Estimated Fee" portion of this proposal. Factors such as weather, contractor efficiency and deviations from minimum testing and observation requirements may significantly impact the CME budget. Our fee is further subject to this proposal being accepted by you on or before December 31, 2009.

The Services performed by TSC under this proposal are subject to prevailing wage regulations under Illinois law. Prevailing wage rates are established in June by the State of Illinois. Should the established wage be changed between the time of this proposal and the time of work, it will be necessary to revise this proposal so that the rates required by law are properly reflected. Prevailing wage categories are defined as follows:

Material Tester I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

Material Tester II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete and concrete and asphalt batch plants, adjusting proportions of bituminous mixtures.

TSC's fees include TSC's services being performed subject to the attached General Conditions which are incorporated herein. Unless we receive written instructions to the contrary, invoices will be sent to:


Mr. Matt Beckley
Lake County Division of Transportation
600 West Winchester Road
Libertyville, Illinois 60048
Tel: (847) 377-7400
Fax: (847) 362-5290

When completing the attached project data form, kindly indicate who is to receive copies of TSC's report and other project data.

Your consideration of our proposal is appreciated. We look forward to being of service to you on this project.

Respectfully Submitted

TESTING SERVICE CORPORATION


Jeffrey R. Schmitz, P.E.
Civil Engineer

JRS:sa

Enc: General Conditions
Project Data Sheet

Approved and accepted for _____ by:

(NAME)

(TITLE)

(DATE)

SCHEDULE OF CHARGES

ITEM I FIELD SERVICES

A. Material Tester I	Per Hour:	\$ 109.00
B. Material Tester II	Per Hour:	\$ 112.50
C. IDOT QC/QA Level III BIT or PCC	Per Hour:	\$ 118.50

CME Technician classification includes IDOT BIT/PCC and QC/QA Certified Technicians. The time is portal-to-portal from the office servicing the project. Increase hourly rate by 1.4 for over 8.0 hours per day or Saturday. Increase hourly rate by 1.8 for Sunday or Holiday work. The minimum trip charge for 0 to 4 hours is four (4) hours and for 4 to 8 hours is eight (8) hours Monday through Friday and eight (8) hours on Saturday and Sunday.

Engineering services for summary report preparation are invoiced at the Graduate Engineer Rate.

D. Transportation, Light Vehicle	Per Mile:	\$ 0.60
E. Use of Nuclear Moisture/Density Gauge	Per Day:	\$ 35.00
F. Pickup Concrete Test Samples	Per Trip:	\$ 60.00

ITEM II LABORATORY SERVICES

A. Soils

1. Compaction Curve to establish the maximum dry unit weight and optimum water content		
a. Modified (AASHTO T180, ASTM D1557)	Each:	\$ 175.00
b. Standard(AASHTO T99, ASTM D698)	Each:	\$ 165.00
c. Add for Methods B, C, or D	Each:	\$ 15.00
2. Thin-Walled Tube Samples		
a. Combined Water Content & Dry Unit Weight Determination	Each:	\$ 15.00
b. Unconfined Compressive Strength	Each:	\$ 12.00

B. Portland Cement Concrete/Aggregates

1. Concrete Test Cylinders (6"x12")		
a. Compressive Strength	Each:	\$ 16.25
b. Spares/Handling Charge	Each:	\$ 16.25
c. Trim End of Specimen When Necessary	Each:	\$ 20.00

2. Concrete Test Cylinders (4"x8")		
a. Compressive Strength	Each:	\$ 15.50
b. Spares/Handling Charge	Each:	\$ 15.50
c. Trim End of Specimen When Necessary	Each:	\$ 20.00
3. Sieve Analysis		
a. Unwashed	Each:	\$ 68.50
b. Washed	Each:	\$ 90.00
C. Bituminous Concrete		
1. Extraction Analysis		
a. Unwashed	Each:	\$ 185.00
b. Washed	Each:	\$ 205.00
2. Compaction of Bituminous Mixture by Gyratory Methods and Bulk Specific Gravity Test	Set of Two	\$ 185.00
3. Theoretical Maximum Specific Gravity of Paving Mixture	Each:	\$ 90.00
4. Calibration of Ignition Oven for Asphalt Content by IDOT Methods:	Each:	\$ 650.00
5. Determining Asphalt Content by Ignition Oven:	Each:	\$ 100.00
6. Determining Asphalt Content by Ignition Oven and Washed Gradation:	Each:	\$ 175.00
7. Bulk Density of Core Specimens	Each:	\$ 40.00

ITEM III CONSULTATION AND REPORT PREPARATION

A. Registered Professional Engineer, Principal	Per Hour:	\$ 170.00
B. Registered Professional Engineer	Per Hour:	\$ 130.00
C. Graduate Civil Engineer	Per Hour:	\$ 110.00
D. Transportation		
1. Light Vehicle	Per Mile:	\$ 0.60
2. Public Transportation		Cost + 10%

The above rates are valid through December 31, 2009.

ASSUMPTIONS & ESTIMATED FEE

The following estimate is based on review of materials quantities provided by the Lake County Division of Transportation and the Illinois Department of Transportation's Project Procedures Guide. At the time this estimate was prepared the contractor's schedule was not available. The unit prices used below are based on our current cost structure.

Portland Cement Concrete/Plant					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Material Tester II	Hour	120.0	112.50	\$13,500.00
2	Travel, Light Vehicle	Mile	1,200	0.60	\$ 720.00
3	Sieve Analysis with #200 Wash	Each	60	90.00	\$ 5,400.00
Sub-Total:					\$19,620.00

Estimate Basis: Thirty plant visits to various locations

Portland Cement Concrete/Field					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Material Tester I	Hour	52.0	109.00	\$ 5,668.00
2	Travel, Light Vehicle	Mile	520	0.60	\$ 312.00
3	Pickup Test Samples	Each	13	60.00	\$ 780.00
4	Concrete Test Cylinders (6"x 12")	Each	52	16.25	\$ 845.00
Sub-Total:					\$ 7,605.00

Estimate Basis: Thirteen site visits to test and sample concrete placed at various locations.

Bituminous Concrete/Plant					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Material Tester II	Hour	240.0	112.50	\$27,000.00
2	Travel, Light Vehicle	Mile	1,200	0.60	\$ 720.00
3	Bituminous Concrete Extraction Analysis	Each	30	185.00	\$ 5,550.00
4	Compaction of Bituminous Mixture by Gyratory Methods and Bulk Specific Gravity Test	Set of Two	30	185.00	\$ 5,550.00
5	Theoretical Maximum Specific Gravity of Paving Mixture	Each	30	90.00	\$ 2,700.00
Sub-Total:					\$41,520.00

Estimate Basis: Thirty plant visits to monitor and sample HMA mixes.

Project Coordination & Report Preparation					
Item No.	ITEMS	Unit	Quantity	Unit Price	Amount
1	Project Engineer	Hour	6	110.00	\$ 660.00
2	QA Manager	Hour	10	100.00	\$ 1,000.00
Sub-Total:					\$ 1,660.00

TSC's base fee schedule includes up to three copies of each report.

Estimated Total: \$ 70,405.00

RECOMMENDED BUDGET: \$ 70,405.00



TESTING SERVICE CORPORATION

GENERAL CONDITIONS

Geotechnical and Construction Services

1. PARTIES AND SCOPE OF WORK: If Client is ordering the services on behalf of another, Client represents and warrants that Client is the duly authorized agent of said party for the purpose of ordering and directing said services, and in such case the term "Client" shall also include the principal for whom the services are being performed. Prices quoted and charged by TSC for its services are predicated on the conditions and the allocations of risks and obligations expressed in these General Conditions. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by Client are adequate and sufficient for Client's intended purpose. Unless otherwise expressly assumed in writing, TSC's services are provided exclusively for client. TSC shall have no duty or obligation other than those duties and obligations expressly set forth in this Agreement. TSC shall have no duty to any third party. Client shall communicate these General Conditions to each and every party to whom the Client transmits any report prepared by TSC. Ordering services from TSC shall constitute acceptance of TSC's proposal and these General Conditions.

2. SCHEDULING OF SERVICES: The services set forth in this Agreement will be accomplished in a timely and workmanlike manner. If TSC is required to delay any part of its services to accommodate the requests or requirements of Client, regulatory agencies, or third parties, or due to any cause beyond its reasonable control, Client agrees to pay such additional charges, if any, as may be applicable.

3. ACCESS TO SITE: TSC shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as a result of its services or the use of its equipment; however, TSC has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires TSC to restore the site to its former condition, TSC will, upon written request, perform such additional work as is necessary to do so and Client agrees to pay to TSC the cost thereof plus TSC's normal markup for overhead and profit.

4. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that Client has advised TSC of any known or suspected hazardous materials, utility lines and underground structures at any site at which TSC is to perform services under this agreement.

5. DISCOVERY OF POLLUTANTS: TSC's services shall not include investigation for hazardous materials as defined by the Resource Conservation Recovery Act, 42 U.S.C. § 6901, et. seq., as amended ("RCRA") or by any state or Federal statute or regulation. In the event that hazardous materials are discovered and identified by TSC, TSC's sole duty shall be to notify Client.

6. MONITORING: If this Agreement includes testing construction materials or observing any aspect of construction of improvements, Client's construction personnel will verify that the pad is properly located and sized to meet Client's projected building loads. Client shall cause all tests and inspections of the site, materials and work to be timely and properly performed in accordance with the plans, specifications, contract documents, and TSC's recommendations. No claims for loss, damage or injury shall be brought against TSC unless all tests and inspections have been so performed and unless TSC's recommendations have been followed.

TSC's services shall not include determining or implementing the means, methods, techniques or procedures of work done by the contractor(s) being monitored or whose work is being tested. TSC's services shall not include the authority to accept or reject work or to in any manner supervise the work of any contractor. TSC's services or failure to perform same shall not in any way operate or excuse any contractor from the performance of its work in accordance

with its contract. "Contractor" as used herein shall include subcontractors, suppliers, architects, engineers and construction managers.

Information obtained from borings, observations and analyses of sample materials shall be reported in formats considered appropriate by TSC unless directed otherwise by Client. Such information is considered evidence, but any inference or conclusion based thereon is, necessarily, an opinion also based on engineering judgment and shall not be construed as a representation of fact. Subsurface conditions may not be uniform throughout an entire site and ground water levels may fluctuate due to climatic and other variations. Construction materials may vary from the samples taken. Unless otherwise agreed in writing, the procedures employed by TSC are not designed to detect intentional concealment or misrepresentation of facts by others.

7. DOCUMENTS AND SAMPLES: Client is granted an exclusive license to use findings and reports prepared and issued by TSC and any sub-consultants pursuant to this Agreement for the purpose set forth in TSC's proposal provided that TSC has received payment in full for its services. TSC and, if applicable, its sub-consultant, retain all copyright and ownership interests in the reports, boring logs, maps, field data, field notes, laboratory test data and similar documents, and the ownership and freedom to use all data generated by it for any purpose. Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of TSC's report.

8. TERMINATION: TSC's obligation to provide services may be terminated by either party upon (7) seven days prior written notice. In the event of termination of TSC's services, TSC shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses. The terms and conditions of these General Conditions shall survive the termination of TSC's obligation to provide services.

9. PAYMENT: Client shall be invoiced periodically for services performed. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to in writing for valid cause within sixty (60) days at the rate of twelve (12%) per annum (or the maximum interest rate permitted by applicable law, whichever is the lesser) until paid and TSC's costs of collection of such accounts, including court costs and reasonable attorney's fees.

10. WARRANTY: TSC's professional services will be performed, its findings obtained and its reports prepared in accordance with these General Conditions and with generally accepted principles and practices. In performing its professional services, TSC will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. In performing physical work in pursuit of its professional services, TSC will use that degree of care and skill ordinarily used under similar circumstances. This warranty is in lieu of all other warranties or representations, either express or implied. Statements made in TSC reports are opinions based upon engineering judgment and are not to be construed as representations of fact.

Should TSC or any of its employees be found to have been negligent in performing professional services or to have made and breached any express or implied warranty, representation or contract, Client, all parties claiming through Client and all parties claiming to have in any way relied upon TSC's services or work agree that the maximum aggregate amount of damages for which TSC, its officers, employees and agents shall be liable is limited to \$50,000 or the total amount of the fee paid to TSC for its services performed with respect to the project, whichever amount is greater.

In the event Client is unwilling or unable to limit the damages for which TSC may be liable in accordance with the provisions set forth in the preceding paragraph, upon written request of Client received within five days of Client's acceptance of TSC's proposal together with payment of an additional fee in the amount of 5% of TSC's estimated cost for its services (to be adjusted to 5% of the amount actually billed by TSC for its services on the project at time of completion), the limit on damages shall be increased to \$500,000 or the amount of TSC's fee, whichever is the greater. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the exposure to an award of greater damages.

11. INDEMNITY: Subject to the provisions set forth herein, TSC and Client hereby agree to indemnify and hold harmless each other and their respective shareholders, directors, officers, partners, employees, agents, subsidiaries and division (and each of their heirs, successors, and assigns) from any and all claims, demands, liabilities, suits, causes of action, judgments, costs and expenses, including reasonable attorneys' fees, arising, or allegedly arising, from personal injury, including death, property damage, including loss of use thereof, due in any manner to the negligence of either of them or their agents or employees or independent contractors. In the event both TSC and Client are found to be negligent or at fault, then any liability shall be apportioned between them pursuant to their pro rata share of negligence or fault. TSC and Client further agree that their liability to any third party shall, to the extent permitted by law, be several and not joint. The liability of TSC under this provision shall not exceed the policy limits of insurance carried by TSC. Neither TSC nor Client shall be bound under this indemnity agreement to liability determined in a proceeding in which it did not participate represented by its own independent counsel. The indemnities provided hereunder shall not terminate upon the termination or expiration of this Agreement, but may be modified to the extent of any waiver of subrogation agreed to by TSC and paid for by Client.

12. SUBPOENAS: TSC's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay TSC pursuant to TSC's then current fee schedule for any TSC employee(s) subpoenaed by any party as an occurrence witness as a result of TSC's services.

13. OTHER AGREEMENTS: TSC shall not be bound by any provision or agreement (i) requiring or providing for arbitration of disputes or controversies arising out of this Agreement or its performance, (ii) wherein TSC waives any rights to a mechanics lien or surety bond claim; (iii) that conditions TSC's right to receive payment for its services upon payment to Client by any third party or (iv) that requires TSC to indemnify any party beyond its own negligence. These General Conditions are notice, where required, that TSC shall file a lien whenever necessary to collect past due amounts. This Agreement contains the entire understanding between the parties. Unless expressly accepted by TSC in writing prior to delivery of TSC's services, Client shall not add any conditions or impose conditions which are in conflict with those contained herein, and no such additional or conflicting terms shall be binding upon TSC. The unenforceability or invalidity of any provision or provisions shall not render any other provision or provisions unenforceable or invalid. This Agreement shall be construed and enforced in accordance with the laws of the State of Illinois. In the event of a dispute arising out of or relating to the performance of this Agreement, the breach thereof or TSC's services, the parties agree to try in good faith to settle the dispute by mediation under the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to filing any demand for arbitration, or any petition or complaint with any court. Paragraph headings are for convenience only and shall not be construed as limiting the meaning of the provisions contained in these General Conditions.



TESTING SERVICE CORPORATION

Project Data Sheet

General Information:

Project Name: _____

Project Address: _____

City / State / Zip: _____

Project Manager: _____

Telephone: _____

Fax: _____

Site Contact: _____

Telephone: _____

Fax: _____

Send Invoice To:

Purchase Order No: _____

Attention: _____

Company: _____

Address: _____

City / State / Zip: _____

Telephone: _____

Fax: _____

Important Notes:

Completed By:

Signature: _____

Name: _____

Date: _____

Distribute Reports as Follows:

Name: _____

Company: _____

Address: _____

City / State / Zip: _____

Telephone: _____

Fax: _____

Name: _____

Company: _____

Address: _____

City / State / Zip: _____

Telephone: _____

Fax: _____

Name: _____

Company: _____

Address: _____

City / State / Zip: _____

Telephone: _____

Fax: _____

Name: _____

Company: _____

Address: _____

City / State / Zip: _____

Telephone: _____

Fax: _____