

**PROFESSIONAL SERVICES WORK STATEMENT AGREEMENT BETWEEN
NTH CONSULTANTS, LTD.
AND THE CITY OF ANN ARBOR
FOR CONSTRUCTION MATERIALS TESTING SERVICES**

This agreement ("Agreement") is between the City of Ann Arbor, a Michigan municipal corporation, having its offices at 301 E. Huron St. Ann Arbor, Michigan 48104 ("City"), and **NTH Consultants, Ltd (NTH)** ("Contractor"), a(n) **Michigan Corporation** with its address at **41780 Six Mile Rd, Suite 200, Northville, MI 48168**. City and Contractor are referred to collectively herein as the "Parties." The Parties agree as follows:

I. DEFINITIONS

Administering Service Area/Unit means **Public Services / Engineering Unit**.

Contract Administrator means **Nicholas Hutchinson**, acting personally or through any assistants authorized by the Administrator/Manager of the Administering Service Area/Unit.

Deliverables means all Plans, Specifications, Reports, Recommendations, and other materials developed for and delivered to City by Contractor under this Agreement

Project means **Various Capital Improvement Projects' Construction Materials Testing**.

Supervising Professional shall be the Contract Administrator unless another representative of the City is named.

Work Statement means a written instrument between Contractor and City that describes specific services or deliverables that Contractor shall provide pursuant to this Agreement, which also meets the following requirements:

1. Includes substantially the following statement: "This is a Work Statement under Contractor's Services Agreement with the City of Ann Arbor Dated"
2. Is signed on behalf of both parties by their authorized representatives. The required signatures for the City are: (a) City Administrator; (b) Administrator of the Administering Service Area/Unit approved as to substance; and (c) City Attorney approved as to form and content.
3. Contains the following three mandatory items:
 - a. Description and/or specifications of the services to be performed and the Deliverables to be delivered to City;
 - b. The amount of payment; and
 - c. The time schedule for performance and for delivery of the Deliverables.

In addition, when applicable, the Work Statement may include such other terms and conditions as may be mutually agreeable between parties. The Parties agree that in the event that a Work Statement conflicts with this Agreement, the terms of this Agreement shall prevail.

II. DURATION

Contractor shall commence performance on **April 4, 2022** ("Commencement Date"). This Agreement shall remain in effect until satisfactory completion of the Services specified below unless terminated as provided for in Article XI. The terms and conditions of this Agreement shall apply to the earlier of the Effective Date or Commencement Date.

III. SERVICES

- A. The Contractor agrees to provide **Construction Materials Testing** ("Services") in connection with the Project as described in Exhibit A and to furnish all materials, equipment, and labor necessary, and to abide by all the duties and responsibilities applicable to it, in accordance with the requirements and provisions of this Agreement. Such Services shall be performed pursuant to mutually agreed-upon Work Statement(s), developed pursuant to Exhibit A. The City retains the right to make changes to the quantities of service within the general scope of the Agreement or within a Work Statement at any time by a written order. If the changes add to or deduct from the extent of the services, the compensation shall be adjusted accordingly. All such changes shall be executed under the conditions of the original Agreement. The Contractor understands that: (1) there is no guarantee or implied promise of any nature that the City will issue a Work Statement pursuant to this Agreement; (2) the City is under no obligation to issue or consent to any Work Statement; and (3) this Agreement is non-exclusive.
- B. Quality of Services under this Agreement shall be of the level of quality performed by persons regularly rendering this type of service. Determination of acceptable quality shall be made solely by the Contract Administrator.
- C. The Contractor shall perform its Services for the Project in compliance with all statutory, regulatory and contractual requirements now or hereafter in effect as may be applicable to the rights and obligations set forth in the Agreement. The Contractor shall also comply with and be subject to the City of Ann Arbor policies applicable to independent contractors.
- D. The Contractor may rely upon the accuracy of reports and surveys provided to it by the City (if any) except when defects should have been apparent to a reasonably competent professional or when it has actual notice of any defects in the reports and surveys.

IV. INDEPENDENT CONTRACTOR

The Parties agree that at all times and for all purposes under the terms of this Agreement each Party's relationship to any other Party shall be that of an independent contractor. Each Party will be solely responsible for the acts of its own employees, agents, and servants. No liability, right, or benefit arising out of any employer/employee relationship, either express or implied, shall arise or accrue to any Party as a result of this Agreement.

Contractor does not have any authority to execute any contract or agreement on behalf of the City, and is not granted any authority to assume or create any obligation or liability on the City's behalf, or to bind the City in any way.

V. COMPENSATION OF CONTRACTOR

- A. The Contractor shall be paid in the manner set forth in Exhibit B. Payment shall be made monthly, unless another payment term is specified in Exhibit B or applicable Work Statement, following receipt of invoices submitted by the Contractor, and approved by the Contract Administrator.
- B. The Contractor will be compensated for Services performed in addition to the Services described in Article III, only when the scope of and compensation for those additional Services have received prior written approval of the Contract Administrator.
- C. The Contractor shall keep complete records of work performed (e.g. tasks performed/hours allocated, etc.) so that the City may verify invoices submitted by the Contractor. Such records shall be made available to the City upon request and submitted in summary form with each invoice.

VI. INSURANCE/INDEMNIFICATION

- A. The Contractor shall procure and maintain from the Effective Date or Commencement Date of this Agreement (whichever is earlier) through the conclusion of this Agreement, such insurance policies, including those set forth in Exhibit C, as will protect itself and the City from all claims for bodily injuries, death or property damage that may arise under this Agreement; whether the act(s) or omission(s) giving rise to the claim were made by the Contractor, any subcontractor or anyone employed by them directly or indirectly. Prior to commencement of work under this Agreement, Contractor shall provide to the City documentation satisfactory to the City, through City-approved means (currently myCOI), demonstrating it has obtained the policies and endorsements required by Exhibit C. Contractor shall add registration@mycoitracking.com to its safe sender's list so that it will receive necessary communication from myCOI. When requested, Contractor shall provide the same documentation for its subcontractor(s) (if any).
- B. Any insurance provider of Contractor shall be authorized to do business in the State of Michigan and shall carry and maintain a minimum rating assigned by A.M. Best & Company's Key Rating Guide of "A-" Overall and a minimum Financial Size Category of "V". Insurance policies and certificates issued by non-authorized insurance companies are not acceptable unless approved in writing by the City.
- C. To the fullest extent permitted by the law, the Contractor shall indemnify and hold harmless City from and against damages, losses, costs, and expenses (including reasonable attorneys' and experts' fees, interest and court costs) to the extent

such damages result from the negligent act, error or omission of the Contractor, its employees, subconsultants or anyone for whose actions the Contractor is legally responsible.

VII. COMPLIANCE REQUIREMENTS

- A. Nondiscrimination. The Contractor agrees to comply, and to require its subcontractor(s) to comply, with the nondiscrimination provisions of MCL 37.2209. The Contractor further agrees to comply with the provisions of Section 9:158 of Chapter 112 of the Ann Arbor City Code and to assure that applicants are employed and that employees are treated during employment in a manner which provides equal employment opportunity.

- B. Living Wage. If the Contractor is a “covered employer” as defined in Chapter 23 of the Ann Arbor City Code, the Contractor agrees to comply with the living wage provisions of Chapter 23 of the Ann Arbor City Code. The Contractor agrees to pay those employees providing Services to the City under this Agreement a “living wage,” as defined in Section 1:815 of the Ann Arbor City Code, as adjusted in accordance with Section 1:815(3); to post a notice approved by the City of the applicability of Chapter 23 in every location in which regular or contract employees providing services under this Agreement are working; to maintain records of compliance; if requested by the City, to provide documentation to verify compliance; to take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee or person contracted for employment in order to pay the living wage required by Section 1:815; and otherwise to comply with the requirements of Chapter 23.

VIII. WARRANTIES BY THE CONTRACTOR

- A. The Contractor warrants that the quality of its Services under this Agreement shall conform to the level of quality performed by persons regularly rendering this type of service.

- B. The Contractor warrants that it has all the skills, experience, and professional licenses necessary to perform the Services specified in this Agreement.

- C. The Contractor warrants that it has available, or will engage, at its own expense, sufficient trained employees to provide the Services specified in this Agreement.

- D. The Contractor warrants that it has no personal or financial interest in the Project other than the fee it is to receive under this Agreement. The Contractor further certifies that it shall not acquire any such interest, direct or indirect, which would conflict in any manner with the performance of the Services it is to provide pursuant to this Agreement. Further Contractor agrees and certifies that it does not and will not employ or engage any person with a personal or financial interest in this Agreement.

- E. The Contractor warrants that it is not, and shall not become overdue or in default to the City for any contract, debt, or any other obligation to the City including real

and personal property taxes. Further Contractor agrees that the City shall have the right to set off any such debt against compensation awarded for Services under this Agreement.

- F. The Contractor warrants that its proposal for services was made in good faith, it arrived at the costs of its proposal independently, without consultation, communication or agreement, for the purpose of restricting completion as to any matter relating to such fees with any competitor for these Services; and no attempt has been made or shall be made by the Contractor to induce any other person or firm to submit or not to submit a proposal for the purpose of restricting competition.
- G. The person signing this Agreement on behalf of Contractor represents and warrants that she/he has express authority to sign this Agreement for Contractor and agrees to hold the City harmless for any costs or consequences of the absence of actual authority to sign.

IX. OBLIGATIONS OF THE CITY

- A. The City agrees to give the Contractor access to the Project area and other City-owned properties as required to perform the necessary Services under this Agreement.
- B. The City shall notify the Contractor of any defects in the Services of which the Contract Administrator has actual notice.

X. ASSIGNMENT

- A. The Contractor shall not subcontract or assign any portion of any right or obligation under this Agreement without prior written consent from the City. Notwithstanding any consent by the City to any assignment, Contractor shall at all times remain bound to all warranties, certifications, indemnifications, promises and performances, however described, as are required of it under the Agreement unless specifically released from the requirement, in writing, by the City.
- B. The Contractor shall retain the right to pledge payment(s) due and payable under this Agreement to third parties.

XI. TERMINATION OF AGREEMENT

- A. If either party is in breach of this Agreement for a period of fifteen (15) days following receipt of notice from the non-breaching party with respect to a breach, the non-breaching party may pursue any remedies available to it against the breaching party under applicable law, including but not limited to, the right to terminate this Agreement without further notice. The waiver of any breach by any party to this Agreement shall not waive any subsequent breach by any party.
- B. The City may terminate this Agreement, on at least thirty (30) days advance notice, for any reason, including convenience, without incurring any penalty, expense or

liability to Contractor, except the obligation to pay for Services actually performed under the Agreement before the termination date.

- C. Contractor acknowledges that, if this Agreement extends for several fiscal years, continuation of this Agreement is subject to appropriation of funds for this Project. If funds to enable the City to effect continued payment under this Agreement are not appropriated or otherwise made available, the City shall have the right to terminate this Agreement without penalty at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of termination to Contractor. The Contract Administrator shall give Contractor written notice of such non-appropriation within thirty (30) days after it receives notice of such non-appropriation.
- D. The provisions of Articles VI and VIII shall survive the expiration or earlier termination of this Agreement for any reason. The expiration or termination of this Agreement, for any reason, shall not release either party from any obligation or liability to the other party, including any payment obligation that has already accrued and Contractor's obligation to deliver all Deliverables due as of the date of termination of the Agreement.

XII. REMEDIES

- A. This Agreement does not, and is not intended to, impair, divest, delegate or contravene any constitutional, statutory and/or other legal right, privilege, power, obligation, duty or immunity of the Parties.
- B. All rights and remedies provided in this Agreement are cumulative and not exclusive, and the exercise by either party of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law, in equity, by statute, in any agreement between the parties or otherwise.
- C. Absent a written waiver, no act, failure, or delay by a Party to pursue or enforce any rights or remedies under this Agreement shall constitute a waiver of those rights with regard to any existing or subsequent breach of this Agreement. No waiver of any term, condition, or provision of this Agreement, whether by conduct or otherwise, in one or more instances, shall be deemed or construed as a continuing waiver of any term, condition, or provision of this Agreement. No waiver by either Party shall subsequently affect its right to require strict performance of this Agreement.

XIII. NOTICE

All notices and submissions required under this Agreement shall be delivered to the respective party in the manner described herein to the address stated below or such other address as either party may designate by prior written notice to the other. Notices given under this Agreement shall be in writing and shall be personally delivered, sent by next day express delivery service, certified mail, or first class U.S. mail postage prepaid, and addressed to the person listed below. Notice will be deemed given on the date when one of the following first occur: (1) the date of actual receipt; (2) the next business day when notice is sent next day express delivery service or personal delivery; or (3) three days after mailing first class or certified U.S. mail.

If Notice is sent to the CONTRACTOR, it shall be addressed and sent to:

**David Lutz
NTH Consultants, Ltd.
41780 Six Mile Rd
Suite 200
Northville, MI 48168**

If Notice is sent to the CITY, it shall be addressed and sent to:

City of Ann Arbor
**Public Services
Engineering Unit
Nicholas Hutchinson, P.E.**
301 E. Huron St.
Ann Arbor, Michigan 48104

With a copy to: The City of Ann Arbor
ATTN: Office of the City Attorney
301 East Huron Street, 3rd Floor
Ann Arbor, Michigan 48104

XIV. CHOICE OF LAW AND FORUM

This Agreement will be governed and controlled in all respects by the laws of the State of Michigan, including interpretation, enforceability, validity and construction, excepting the principles of conflicts of law. The parties submit to the jurisdiction and venue of the Circuit Court for Washtenaw County, State of Michigan, or, if original jurisdiction can be established, the United States District Court for the Eastern District of Michigan, Southern Division, with respect to any action arising, directly or indirectly, out of this Agreement or the performance or breach of this Agreement. The parties stipulate that the venues referenced in this Agreement are convenient and waive any claim of non-convenience.

XV. OWNERSHIP OF DOCUMENTS

Upon completion or termination of this Agreement, all documents (i.e., Deliverables) prepared by or obtained by the Contractor as provided under the terms of this Agreement shall be delivered to and become the property of the City. Original basic survey notes, sketches, charts, drawings, partially completed drawings, computations, quantities and other data shall remain in the possession of the Contractor as instruments of service unless specifically incorporated in a deliverable, but shall be made available, upon request, to the City without restriction or limitation on their use. The City acknowledges that the documents are prepared only for the Project. Prior to completion of the contracted Services the City shall have a recognized proprietary interest in the work product of the Contractor.

Unless otherwise stated in this Agreement, any intellectual property owned by Contractor prior to the effective date of this Agreement (i.e., Preexisting Information) shall remain the exclusive property of Contractor even if such Preexisting Information is embedded or otherwise incorporated in materials or products first produced as a result of this Agreement or used to develop Deliverables. The City's right under this provision shall not apply to any Preexisting Information or any component thereof regardless of form or media.

XVI. CONFLICTS OF INTEREST OR REPRESENTATION

Contractor certifies it has no financial interest in the Services to be provided under this Agreement other than the compensation specified herein. Contractor further certifies that it presently has no personal or financial interest, and shall not acquire any such interest, direct or indirect, which would conflict in any manner with its performance of the Services under this Agreement.

Contractor agrees to advise the City if Contractor has been or is retained to handle any matter in which its representation is adverse to the City. The City's prospective consent to the Contractor's representation of a client in matters adverse to the City, as identified above, will not apply in any instance where, as the result of Contractor's representation, the Contractor has obtained sensitive, proprietary or otherwise confidential information of a non-public nature that, if known to another client of the Contractor, could be used in any such other matter by the other client to the material disadvantage of the City. Each matter will be reviewed on a case by case basis.

XVII. SEVERABILITY OF PROVISIONS

Whenever possible, each provision of this Agreement will be interpreted in a manner as to be effective and valid under applicable law. However, if any provision of this Agreement or the application of any provision to any party or circumstance will be prohibited by or invalid under applicable law, that provision will be ineffective to the extent of the prohibition or invalidity without invalidating the remainder of the provisions of this Agreement or the application of the provision to other parties and circumstances.

XVIII. EXTENT OF AGREEMENT

This Agreement, together with Exhibits A and B, and C, constitutes the entire understanding between the City and the Contractor with respect to the subject matter of the Agreement and it supersedes, unless otherwise incorporated by reference herein, all prior representations, negotiations, agreements or understandings whether written or oral. Neither party has relied on any prior representations, of any kind or nature, in entering into this Agreement. No terms or conditions of either party's invoice, purchase order or other administrative document shall modify the terms and conditions of this Agreement, regardless of the other party's failure to object to such form. This Agreement shall be binding on and shall inure to the benefit of the parties to this Agreement and their permitted successors and permitted assigns and nothing in this Agreement, express or implied, is intended to or shall confer on any other person or entity any legal or equitable right, benefit, or remedy of any nature whatsoever under or by reason of this Agreement. This Agreement may only be altered, amended or modified by written amendment signed by the Contractor and the City. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement.

XIX. ELECTRONIC TRANSACTION

The parties agree that signatures on this Agreement may be delivered electronically in lieu of an original signature and agree to treat electronic signatures as original signatures that bind them to this Agreement. This Agreement may be executed and delivered by facsimile and upon such delivery, the facsimile signature will be deemed to have the same effect as if the original signature had been delivered to the other party.

XX. EFFECTIVE DATE

This Agreement will become effective when all parties have signed it. The Effective Date of this Agreement will be the date this Agreement is signed by the last party to sign it.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK; SIGNATURE PAGE FOLLOWS]

FOR CONTRACTOR

DocuSigned by:
David R. Lutz
By _____
2BF44F0D0F4740B... David Lutz

Its
DATED: March 2, 2022

FOR THE CITY OF ANN ARBOR

By _____
Christopher Taylor, Mayor

By _____
Jacqueline Beaudry, City Clerk

DATED: _____

Approved as to substance

Milton Dohoney Jr., Interim City Administrator

Service Area Administrator Type Name

Approved as to form and content

Stephen K. Postema, City Attorney

EXHIBIT A SCOPE OF SERVICES

The Consultant selected for each project shall perform field inspections, field and laboratory testing of construction materials, and engineering services to support, control, document, and assure the high quality construction of concrete curbs, sidewalks, and drives; the backfilling and compaction of underground utilities and embankments; placement and compaction of sand subbase and aggregate base courses; the placement of bituminous concrete pavements; and other related activities as necessary.

The testing to be performed by the selected Consultants shall include, but is not limited to, in-place density testing of aggregates and HMA pavement; slump, air content, temperature, unit weight, and compressive strength testing of Portland cement concrete; geotechnical and/or environmental engineering as required; sampling and testing at asphalt production plants, including VMA, VFA, G_{mm} , G_{mb} , air voids, percentage of crushed material, fines to binder ratio, percent of asphalt; laboratory testing of sampled materials; and the preparation and submittal in a timely manner of all test results and reports.

Failing test results shall be reported to the Engineer within 24 hours of the completion of the test, and immediately to the City's representative in the field.

All sampling, testing, and other services shall be performed in compliance with all applicable standards including ASTM, ACI, MDOT, and the City of Ann Arbor, as well as any and all specifications of the subject project. Any references to the MDOT Standard Specifications for Construction shall be to 2020 edition. All testing and inspection shall be performed by certified personnel, under the direct supervision of a professional engineer registered in the State of Michigan and directly employed by the selected Firm.

On federally and/or State funded projects, Firms must submit copies of testing certifications obtained by personnel assigned to the projects and also certificates or documentation that the lab is qualified per MDOT or AASHTO accredited for testing.

Assignment of testing personnel (temporary or permanent) to these projects is subject to approval by the City. Once approved, assigned personnel shall remain on the project until their services are no longer needed. Replacement of assigned personnel (temporary or permanent) with those who are not familiar with the project or with City or Contractor personnel is not permitted, and may be considered cause to terminate the Professional Services Agreement. Due to the nature of some of these projects, multiple testing personnel may need to be assigned to the project at any given time in order to adequately perform the required tasks.

Field time verification forms will be required to be signed daily by a City of Ann Arbor representative assigned to the project.

The City does not guarantee either a minimum volume of work or a specific volume of work if a contract is awarded.

**EXHIBIT B
COMPENSATION**

General

Contractor shall be paid for those Services performed pursuant to this Agreement inclusive of all reimbursable expenses (if applicable), in accordance with the terms and conditions herein. The Compensation Schedule below/attached states nature and amount of compensation the Contractor may charge the City:

2022 and 2023 Construction Seasons Fee Schedule

Unit Price	Description of Service Item
\$90.00/hr	Technician Including Nuclear Densometer – Straight Time ⁽¹⁾
\$119.70/hr	Technician Including Nuclear Densometer – Overtime ^{(1) (2)}
\$40.00/day	Technician Daily Mobilization (includes travel time to and from the project site)
\$134.00/hr	Additional Professional Engineering Services, as Requested by the City ⁽⁵⁾
\$18.00/ea	Concrete Cylinder Mold, Cure, Pickup, and Compressive Strength Test ⁽⁴⁾
\$75.00/ea	Concrete Beam Mold, Cure, Pickup, and Flexural Strength Test ⁽⁶⁾
\$110.00/ea	Sieve Analysis
\$200.00/ea	Modified Proctor Test
\$500.00/ea	HMA Volumetric Test ⁽³⁾
\$1,522.00/ea	PC Binder Verification Test
\$225.00/ea	Review Concrete or Asphalt Mix Design
Total, not to exceed, fee to be paid for contract services is \$140,000.00	

Notes:

⁽¹⁾ Unit prices for all technician service items shall include all vehicle costs, equipment costs, project management, and office support, including engineering review and secretarial services. No minimum hour charge will be paid, unless work for the day is cancelled by the City without advance notice. Minimum “cancellation charges” will be limited to four hours. This item shall also be used for all cylinder and sample pick-ups. The City of Ann Arbor will also require all wets weights for the density testing to be recorded daily.

⁽²⁾ Overtime rates shall be applied only to hours worked beyond an eight (8) hour workday (Monday through Friday) or to any hours worked on Saturdays. Double-time rates (2 times the straight time rate) shall be applied to hours worked on Sundays and City holidays.

⁽³⁾ Includes sieve analysis, VMA, VFA, Gmm, Gmb, air voids, percentage of crushed material, fines to binder ratio, and percent of asphalt. Results to be submitted to the City within 5 business days of placement.

⁽⁴⁾ The City will require 4 cylinders be molded per sample location, unless otherwise specified.

⁽⁵⁾ This item shall also include Project Manager and/or Project Engineer time for attending preconstruction meetings, construction progress meetings, and any other meetings as requested by the City.

⁽⁶⁾ The City will require 3 beams be molded per sample location, unless otherwise specified.

COST PROPOSAL

2022 and 2023 Construction Material Testing Services RFP # 22-03

City of Ann Arbor
Procurement Unit
301 E. Huron Street
Ann Arbor, MI 48104

January 21, 2022
NTH Proposal No: 62-210521



NTH Consultants, Ltd.
41780 Six Mile Rd.
Suite 200
Northville, MI 48168



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

41780 Six Mile Rd., Suite 200; Northville, MI 48168
Phone 248-553-6300 • Fax 248-324-5179

City of Ann Arbor
Procurement Unit
301 E. Huron Street
Ann Arbor, MI 48104

January 21, 2022
NTH Proposal No: 62-210521

**RE: Fee Proposal for Construction Observation and Materials Testing Services
2022 and 2023 Construction Material Testing Services
Ann Arbor, Michigan**

Dear Ms. Chan:

NTH Consultants, Ltd. (NTH) submits this Fee Proposal to provide construction observation and materials testing services for the City of Ann Arbor for the 2022 and 2023 Construction Material Testing Service contract.

The following is the list of projects NTH will be proposing to perform services for:

- Newport Sidewalk Gap Project
- Russell Street Improvements Project
- 2022 Miscellaneous Utilities
- Huron West Park Sanitary Sewer
- S. State Street Project
- Platt Road and Earhart Road Project
- Stadium – Washtenaw Area Utility Project
- Third & Mosley Water Main Replacement and Resurfacing Project
- Broadway Street Water Main Replacement and Resurfacing Project
- Scio Church Water Main Replacement and Resurfacing Project

PROFESSIONAL FEES

As requested in the City of Ann Arbor Request For Proposal, RFP #22-03, the fees for our services will be charged using the unit rates listed in the attached 2022 and 2023 Construction Seasons Proposed Fee Schedule. This Fee Schedule will be used for the 2022 and 2023 Construction Seasons.

The Technician Rate for field services will include actual field hours worked, vehicle costs, equipment costs, project scheduling, coordinating and review, and secretarial services. This rate will also be used for concrete cylinder and sample pick-ups. The overtime unit rate will apply to hours the technician works beyond eight hours on a workday (Monday through Friday) and on Saturdays, Sundays, and holidays. A minimum charge of 4 hours will be made for each trip to the site by our personnel that is canceled while the technician is en route or after the technician's arrival on site.

The Technician Daily Mobilization Rate will be used for travel time, to and from the site, each day there is a site visit.

The Additional Professional Engineering Services Rate will be used for as needed QA Plan production/ review and attendance at meetings as requested by the City.

The Review Concrete or Asphalt Mix Design Fee will be used, if requested by the City, to review concrete mix designs, asphalt Job Mix Formulas (JMF), or Contractor QC Plans.



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

41780 Six Mile Rd., Suite 200; Northville, MI 48168
Phone 248-553-6300 • Fax 248-324-5179

Lab expenses will be charged based on the appropriate test fee in the Fee Schedule.

If additional work or a contract modification is needed, this Fee Schedule will be used to determine the estimates. If additional scope of services or lab tests, not listed on this Fee Schedule, will be requested, a separate proposal with the appropriate fees will need to be submitted to the City for acceptance to perform the work.

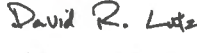
We appreciate the opportunity to submit this Fee Proposal for your consideration and look forward to providing the City of Ann Arbor and the rest of the project team with construction materials testing and professional engineering services.

Please find the attached 2022 and 2023 Construction Seasons Proposed Fee Schedule for the unit rates, estimated quantities, and estimated costs.

Sincerely,
NTH Consultants, Ltd.

DocuSigned by:

BOE41A0308064FB...
Anthony Sinatra
Project Manager

DocuSigned by:

2BF41F0D0F4749B...
David Lutz, P.E.
Vice President



// 2022 and 2023 Construction Seasons Proposed Fee Schedule

Description of Service Item	Unit	Unit Price	2022 & 2023 Construction Season		2023 Street Resurfacing Project		FY2023 Street Preventive Maintenance Project		Gardens Avenue & South Huron Parkway Trailblazer Project		South Huron Parkway and Glasgow Way Preventive Maintenance Project		Newport Sidewalk Gap Project		Rural Street Improvements Project		2022 Miscellaneous Utilities		Huron West Park Sanitary Sewer		S- State Street Project		First Road and Fairview Road Project		2022 Valve Replacement Project		Stadium - Washrom Area Utility Project		Third & Motley Water Main Replacement and Resurfacing Project		2022 Sidewalk Gap Elimination Project		Broadway Street Water Main Replacement and Resurfacing Project		Sixth Church Water Main Replacement and Resurfacing Project		5. Seventh St. Greenview Water Main Replacement / Resurfacing Project		2022 Miscellaneous Construction		Total Quantity	Price Extension								
			Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity	Estimated Quantity												
Technician Including Nuclear Densometer – Straight Time (1)	Hour	\$ 90.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3556	\$ 320,040.00								
Technician Including Nuclear Densometer – Overtime (1) (2)	Hour	\$ 119.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	\$ 17,955.00							
Technician Daily Mobilization (includes travel time to and from the project site)	Day	\$ 40.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	661	\$ 26,440.00							
Additional Professional Engineering Services, as Requested by the City (5)	Hour	\$ 134.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	\$ 5,762.00						
Concrete Cylinder Mold, Cure, Pickup, and Compressive Strength Test (4)	Each	\$ 18.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	729	\$ 13,122.00					
Concrete Beam Mold, Cure, Pickup, and Flexural Strength Test (4)	Each	\$ 75.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	\$ 0.00				
Sieve Analysis	Each	\$ 110.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	\$ 3,410.00			
Modified Proctor Test	Each	\$ 200.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	\$ 4,600.00		
HMA Volumetric Test (3) (7)	Each	\$ 500.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	\$ 54,000.00		
PG Binder Verification Test (8)	Each	\$ 1,522.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	\$ 0.00	
Review Concrete or Asphalt Mix Design	Each	\$ 225.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	\$ 0.00
																					Total Price		\$ 445,329.00																											

- Unit prices for all technician service items shall include all vehicle costs, equipment costs, project management, and office support, including engineering review and secretarial services. No minimum hour charge will be paid, unless work for the day is canceled by the City without advance notice. Minimum "cancellation charges" will be limited to four hours. This item shall also be used for all cylinder and sample pick-ups. The City of Ann Arbor will also require all wet weights for the density testing to be recorded daily.
- Overtime rates shall be applied only to hours worked beyond an eight (8) hour workday (Monday through Friday) or to any hours worked on Saturdays. Double-time rates two (2) times the straight time rate) shall be applied to hours worked on Sundays and City holidays.
- Includes sieve analysis, VMA, VFA, Gmm, Gmb, air voids, percentage of crushed material, fines to binder ratio, and percent of asphalt. Results to be submitted to the City within five (5) business days of placement.
- The City will require four (4) cylinders be molded per sample location, unless otherwise specified. Five (5) cylinders will be used for 4"x8" and 4 will be used for 6"x12" per set. Two (2) cylinders per set will be used for MDOT projects as QA for acceptance.
- This item shall also include Project Manager and/or Project Engineer time for attending preconstruction meetings, construction progress meetings, and any other meetings as requested by the City.
- The City will require three (3) beams be molded per sample location, unless otherwise specified. Beams were not specified in the RFP for the projects being proposed on, zero (0) quantity was used for this fee estimate.
- The Volumetric Test is a combination of several tests performed by our lab to obtain the results requested. If only an extraction and sieve analysis will be required on any projects, a unit price of \$255 will be used for each sample.
- PG Binder Verification Test unit price is assuming the use of a standard binder. If a polymer additive will be used on any projects, a unit price of \$2,920 will be used for each sample.

**EXHIBIT C
INSURANCE REQUIREMENTS**

From the earlier of the Effective Date or the Commencement Date of this Agreement, and continuing without interruption during the term of this Agreement, Contractor shall have, at a minimum, the following insurance, including all endorsements necessary for Contractor to have or provide the required coverage.

A. The Contractor shall have insurance that meets the following minimum requirements:

1. Professional Liability Insurance or Errors and Omissions Insurance protecting the Contractor and its employees in an amount not less than \$1,000,000.
2. Worker's Compensation Insurance in accordance with all applicable state and federal statutes. Further, Employers Liability Coverage shall be obtained in the following minimum amounts:

Bodily Injury by Accident - \$500,000 each accident
Bodily Injury by Disease - \$500,000 each employee
Bodily Injury by Disease - \$500,000 each policy limit
3. Commercial General Liability Insurance equivalent to, as a minimum, Insurance Services Office form CG 00 01 04 13 or current equivalent. The City of Ann Arbor shall be an additional insured. There shall be no added exclusions or limiting endorsements that diminish the City's protections as an additional insured under the policy. Further, the following minimum limits of liability are required:

\$1,000,000 Each occurrence as respect Bodily Injury Liability or Property Damage Liability, or both combined
\$2,000,000 Per Project General Aggregate
\$1,000,000 Personal and Advertising Injury
4. Motor Vehicle Liability Insurance equivalent to, as a minimum, Insurance Services Office form CA 00 01 10 13 or current equivalent. Coverage shall include all owned vehicles, all non-owned vehicles and all hired vehicles. The City of Ann Arbor shall be an additional insured. There shall be no added exclusions or limiting endorsements that diminish the City's protections as an additional insured under the policy. Further, the limits of liability shall be \$1,000,000 for each occurrence as respects Bodily Injury Liability or Property Damage Liability, or both combined.
5. Umbrella/Excess Liability Insurance shall be provided to apply in excess of the Commercial General Liability, Employers Liability and the Motor Vehicle

coverage enumerated above, for each occurrence and for aggregate in the amount of \$1,000,000.

- B. Insurance required under A.3 and A.4 above shall be considered primary as respects any other valid or collectible insurance that the City may possess, including any self-insured retentions the City may have; and any other insurance the City does possess shall be considered excess insurance only and shall not be required to contribute with this insurance. Further, the Contractor agrees to waive any right of recovery by its insurer against the City for any insurance listed herein.
- C. Insurance companies and policy forms are subject to approval of the City Attorney, which approval shall not be unreasonably withheld. Documentation must provide and demonstrate an unconditional and unqualified 30-day written notice of cancellation in favor of the City of Ann Arbor. Further, the documentation must explicitly state the following: (a) the policy number(s); name of insurance company; name(s), email address(es), and address(es) of the agent or authorized representative; name and address of insured; project name; policy expiration date; and specific coverage amounts; (b) any deductibles or self-insured retentions, which may be approved by the City in its sole discretion; (c) that the policy conforms to the requirements specified. Contractor shall furnish the City with satisfactory certificates of insurance and endorsements prior to commencement of any work. If any of the above coverages expire by their terms during the term of this Agreement, the Contractor shall deliver proof of renewal and/or new policies and endorsements to the Administering Service Area/Unit at least ten days prior to the expiration date.