



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.
Assistant Commissioner

Bureau of Materials & Research
November 9, 2015

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Transportation to enter into three individual, two-year Agreements with John Turner Consulting, Inc. of Dover, NH, Vendor 158313; Terracon Consultants, Inc. of Manchester, NH, Vendor 203553; and R.W. Gillespie & Associates, Inc. of Portsmouth, NH, Vendor 153183 for combined total fees not to exceed \$1,200,000 for the purposes of providing materials testing and construction inspection services from the date of Governor and Council approval through December 31, 2017. 100% Federal Funds.

Funding is available as follows for FY 2016 and FY 2017, and is contingent upon the availability and continued appropriation of funds in FY 2018:

	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
04-96-96-963515-3054 Consolidated Federal Aid 046-500463 Eng Consultant Non-Benefit	\$300,000.00	\$600,000.00	\$300,000.00

The Consolidated Federal Fund, AU 3054, is utilized at this time to encumber funds for this request. Actual funding sources will be determined by each particular project incurring expenses as a result of this request.

EXPLANATION

The Department requires consultant services essential to the Department's bridge and highway construction program to supplement the Bureaus of Construction and Materials & Research staffing for their quality assurance inspection and testing efforts. These agreements replace active agreements due to expire at the end of this year.

The selection process was in accordance with the Department's "Selection Procedures for Prequalified Low-Bid Technical Service Statewide Contracts", dated February 26, 1998. The contract is to be administered by the Bureaus of Materials & Research and Construction.

The Department extended invitations to bid to the following prequalified firms. The September 23, 2015 bid results are as follows:

<u>Consultant Firm</u>	<u>Rank</u>	<u>Bid Amount</u>	<u>Contract Amount</u>
John Turner Consulting, Inc.	A	\$ 335,025	\$ 500,000
Terracon Consultants, Inc.	B	\$ 337,675	\$ 400,000
R. W. Gillespie & Associates, Inc.	C	\$ 339,300	\$ 300,000
Cardno ATC	D	\$ 345,675	----
S. W. Cole Engineering, Inc.	E	\$ 402,375	----

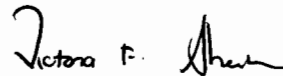
The Agreement for each consultant is submitted herewith. The Agreements are for the respective maximum contract amount for the A, B and C low bid firms as shown in the table above. Work assignments will be based upon lowest available bidder and project location to make the best use of these funds. The contract type of fee is a specific rate of pay at the bid hourly rate for each class of employee directly engaged in the work.

The Consolidated Federal Aid portion is 80% Federal Funds with 20% State match. Turnpike Toll Credit is being utilized for match requirements, effectively using 100% Federal funds.

These Agreements have been approved by the Attorney General as to form and execution. The Department has verified that the necessary funds are available. The Federal Highway Administration may participate in these costs depending upon the particular funding of the individual projects undertaken. Copies of the fully executed Agreements are on file at the Secretary of State's Office and the Department of Administrative Services, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

It is respectfully requested that authority be given to enter into these Agreements for construction inspection and material testing services as outlined above.

Sincerely,



Victoria F. Sheehan
Commissioner

RESULTS OF BID OPENING: 9/23/15
STATEWIDE 13967-V, W & X

MATERIALS TESTING & CONST INSPECTIONS
Fed Part: ADDENDA: CC/BB \$0.00

Contractor	City/State	Bid Amount	Rank
R W GILLESPIE & ASSOC INC	SACO ME 04072		
TERRACON	MANCHESTER NH 03109		
JOHN TURNER INC	DOVER NH 03820		
CARDNO ATC	MANCHESTER NH 03103		
S W COLE ENGINEERING INC	SOMERSWORTH NH 03878-2926		

CONTRACTOR'S BID TABULATION
Nhdot Project 13967-V, 13967-W, 13967-X
Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID	UNIT PRICES	AMOUNT
			DOLLARS	DOLLARS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection PER HR	\$45.00	\$135,000.00
1.2	1000 hr.	Bituminous Testing and Inspection PER HR	\$48.00	\$48,000.00
1.3	3500 hr.	Concrete/Soils Testing and Inspection PER HR	\$37.50	\$131,250.00
1.4	500 hr.	Construction Inspector PER HR	36	\$18,000.00
2.1	100 ea.	Concrete Cylinder Strength PER EA	4	\$400.00
2.2	25 ea.	Coarse Aggregate Gradation PER EA	15	\$375.00
2.3	25 ea.	Fine Aggregate Gradation PER EA	15	\$375.00
2.4	25 ea.	Maximum Dry Density of Soil PER EA	50	\$1,250.00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing PER EA	15	\$375.00
Grand Total \$				\$335,025.00

Company	John Turner Consulting, Inc.			

CONTRACTOR'S BID TABUALTION
 Nhdot Project 13967-V, 13967-W, 13967-X
 Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID	UNIT PRICES	AMOUNT
1.1	3000 hr.	Precast/Prestressed Concrete Inspection PER HR	DOLLARS \$45.00	DOLLARS \$135,000.00
1.2	1000 hr.	Bituminous Testing and Inspection PER HR	\$39.00	\$39,000.00
1.3	3500 hr.	Concrete/Soils Testing and Inspection PER HR	\$39.00	\$136,500.00
1.4	500 hr.	Construction Inspector PER HR	45	\$22,500.00
2.1	100 ea.	Concrete Cylinder Strength PER EA	8	\$800.00
2.2	25 ea.	Coarse Aggregate Gradation PER EA	30	\$750.00
2.3	25 ea.	Fine Aggregate Gradation PER EA	30	\$750.00
2.4	25 ea.	Maximum Dry Density of Soil PER EA	65	\$1,625.00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing PER EA	30	\$750.00
		Grand Total \$		\$337,675.00
Terracon Consultants, Inc.				

CONTRACTOR'S BID TABULATION
 Nhdot Project 13967-V, 13967-W, 13967-X
 Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID	UNIT PRICES	AMOUNT
			DOLLARS	DOLLARS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection PER HR	\$45.00	\$135,000.00
1.2	1000 hr.	Bituminous Testing and Inspection PER HR	\$45.00	\$45,000.00
1.3	3500 hr.	Concrete/Soils Testing and Inspection PER HR	\$39.50	\$138,250.00
1.4	500 hr.	Construction Inspector PER HR	39.5	\$19,750.00
2.1	100 ea.	Concrete Cylinder Strength PER EA	3	\$300.00
2.2	25 ea.	Coarse Aggregate Gradation PER EA	10	\$250.00
2.3	25 ea.	Fine Aggregate Gradation PER EA	10	\$250.00
2.4	25 ea.	Maximum Dry Density of Soil PER EA	10	\$250.00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing PER EA	10	\$250.00
		Grand Total \$		\$339,300.00
Company		R.W. Gillespie & Associates, Inc.		

CONTRACTOR'S BID TABULATION
Nhdot Project 13967-V, 13967-W, 13967-X
Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID	UNIT PRICES	AMOUNT
			DOLLARS	DOLLARS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection PER HR	\$42.00	\$126,000.00
1.2	1000 hr.	Bituminous Testing and Inspection PER HR	\$44.00	\$44,000.00
1.3	3500 hr.	Concrete/Soils Testing and Inspection PER HR	\$42.00	\$147,000.00
1.4	500 hr.	Construction Inspector PER HR	45	\$22,500.00
2.1	100 ea.	Concrete Cylinder Strength PER EA	8	\$800.00
2.2	25 ea.	Coarse Aggregate Gradation PER EA	55	\$1,375.00
2.3	25 ea.	Fine Aggregate Gradation PER EA	65	\$1,625.00
2.4	25 ea.	Maximum Dry Density of Soil PER EA	70	\$1,750.00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing PER EA	25	\$625.00
		Grand Total \$		\$345,675.00
Company		Cardno, ATC		

CONTRACTOR'S BID TABULATION
Nhdot Project 13967-V, 13967-W, 13967-X
Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID	UNIT PRICES	AMOUNT
			DOLLARS	DOLLARS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection PER HR	\$50.00	\$150,000.00
1.2	1000 hr.	Bituminous Testing and Inspection PER HR	\$50.00	\$50,000.00
1.3	3500 hr.	Concrete/Soils Testing and Inspection PER HR	\$50.00	\$175,000.00
1.4	500 hr.	Construction Inspector PER HR	50	\$25,000.00
2.1	100 ea.	Concrete Cylinder Strength PER EA	5	\$500.00
2.2	25 ea.	Coarse Aggregate Gradation PER EA	20	\$500.00
2.3	25 ea.	Fine Aggregate Gradation PER EA	20	\$500.00
2.4	25 ea.	Maximum Dry Density of Soil PER EA	20	\$500.00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing PER EA	15	\$375.00
		Grand Total \$		\$402,375.00
S.W. Cole Engineering, Inc.				

September 23, 2015 Construction Testing Services Bid Opening Results

<u>Bidder</u>	<u>Total Bid</u>	<u>Contract Award</u>	<u>1.1</u>	<u>1.2</u>	<u>1.3</u>
		\$ 500,000			
		\$ 400,000			
		\$ 300,000			

John Turner Consulting, Inc.
Cardno ATC
S.W. Cole Engineering, Inc.
Terracon, Inc.
R.W. Gillespie & Assoc, Inc.

ENGINEER'S ESTIMATE FOR SEPTEMBER 2015 CONSTRUCTION TESTING BID

Rates are an average of the 2013 solicitation

<u>Item</u>	<u>RATES</u>			<u>Average</u>	<u>Quantity</u>	<u>Extension</u>
	<u>Turner</u>	<u>Gillespie</u>	<u>Cardno</u>			
1.1	45	45	42	44.00	3000	132000.00
1.2	45	41	45	43.67	1000	43666.67
1.3	39	36	42	39.00	3500	136500.00
1.4	40	45	46	43.67	500	21833.33
2.1	4	5	10	6.33	100	633.33
2.2	25	15	55	31.67	25	791.67
2.3	25	15	65	35.00	25	875.00
2.4	70	50	80	66.67	25	1666.67
2.5	20	15	25	20.00	25	500.00

Total Estimate \$ 338,466.67

CONTRACTOR'S BID TABUATION
 Nhdot Project 13967-V, 13967-W, 13967-X
 Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID	UNIT PRICES	AMOUNT
			DOLLARS	DOLLARS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection PER HR		\$0.00
1.2	1000 hr.	Bituminous Testing and Inspection PER HR		\$0.00
1.3	3500 hr.	Concrete/Soils Testing and Inspection PER HR		\$0.00
1.4	500 hr.	Construction Inspector PER HR		\$0.00
2.1	100 ea.	Concrete Cylinder Strength PER EA		\$0.00
2.2	25 ea.	Coarse Aggregate Gradation PER EA		\$0.00
2.3	25 ea.	Fine Aggregate Gradation PER EA		\$0.00
2.4	25 ea.	Maximum Dry Density of Soil PER EA		\$0.00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing PER EA		\$0.00
		Grand Total \$ _____		\$0.00
Company:				
Signature:				
Date:				

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

AGREEMENT FOR TECHNICAL SERVICES

MATERIALS TESTING AND
CONSTRUCTION INSPECTION SERVICES

NHDOT PROJECTS 13967-V

CONTRACT DATES:
FROM GOVERNOR AND COUNCIL APPROVAL
TO DECEMBER 31, 2017

CONTRACT WITH: John Turner Consulting, Inc.
19 Dover Street
Dover, NH 03820

NH DOT CONTACT: Denis M. Boisvert
Bureau of Materials and Research
5 Hazen Drive, PO Box 483
Concord, NH 03302-0483
Telephone: (603)271-3151
Facsimile: (603)271-8700

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AGREEMENT FOR
MATERIALS INSPECTION
AND TESTING SERVICES

This AGREEMENT is made the 14th day of October
in the year of ~~2013~~ ²⁰¹⁵ by and between the STATE OF NEW HAMPSHIRE, hereinafter referred to as the State, acting
by and through its COMMISSIONER OF THE DEPARTMENT OF TRANSPORTATION, hereinafter referred to
as the COMMISSIONER and DEPARTMENT, acting under Chapter 228 of the Revised Statutes Annotated, and
John Turner Consulting, Inc., principal place of business at, 19 Dover Street, Dover, NH 03820 hereinafter referred
to as the CONSULTANT.

ARTICLE I

In consideration of the undertaking of the parties hereinafter set forth, the Department hereby engages the Consultant, who agrees to render construction inspection, precast/prestressed inspection, concrete materials inspection, bituminous materials inspection, soil materials inspection, and materials testing services to the Department, which shall include, but not be restricted to, the following items, in accordance with conditions and terms hereinafter set forth:

ARTICLE I - DESCRIPTION OF TECHNICAL SERVICES RENDERED

A. GENERAL

The CONSULTANT agrees to render services to the DEPARTMENT including, but not restricted to tasks set forth in this Contract under B: Scope of Work in accordance with conditions and terms as hereinafter set forth. The provisions of ARTICLE I are considered an outline of the required work in a general manner and should not be construed as being a final detail list of all work required of the Consultant. The Consultant shall perform incidental items necessary to accomplish the work according to NHDOT Standard Specifications as amended and standard practices.

If during the life of this agreement there are testing and inspection services required which are not covered under the bid items, new items may be negotiated.

B: SCOPE OF WORK

1. DEFINITIONS

Consultant: An individual or firm, which will furnish construction inspection and/or materials testing services.

Project: The specific section of the highway together with all appurtenances to be constructed under the construction contract.

Project Assignment Letter: A letter outlining the specifics on a project, including such items as location, starting date, expected duration, and Department Supervisor.

Engineer: The Assistant Commissioner of the Department, who is responsible for engineering supervision of the construction, acting directly or through his/her duly authorized representatives.

Department Supervisor: The individual within the Department to whom the consultant's plant inspector/tester or materials inspector/tester reports directly.

Assignment: An ASSIGNMENT assigns a consultant to a project or multiple projects, outlines his/her duties and identifies the Department Supervisor.

Plant: Contractor's or supplier's place of manufacture of construction materials.

Construction Inspector Personnel who monitor and document contractor's work performed on Department construction projects for conformance with the specifications.

2. GENERAL DESCRIPTION

The Consultant, acting as an independent contractor, will serve to supplement the Department's staff in construction inspection, materials testing for precast/prestressed concrete, and inspection/testing of materials to be used in construction contracts in accordance with the Department's plans, specifications, standards, procedures and manuals.

The Department will assign the Consultant to the individual project or multiple projects requiring services.

The Consultant will perform construction inspection and testing of materials as directed by the Engineer. Inspection and materials testing for precast/prestressed items will typically be performed at the plant site and may also consist of inspecting products in transport. General inspection and testing of material may be at either a project or plant site. The Consultant will supply its own vehicles to provide the services outlined below for each project. For the protection of traffic, all vehicles used on the project shall be equipped with amber flashing lights or rotating lights visible from 360 degrees around the vehicle. The flashing light system shall be in continuous operation while the vehicle is on any part of the traveled lanes, shoulders or ramps

within the construction zone. All drivers of vehicles used on the project shall be furnished with written instructions concerning the manner of operation of these vehicles regarding traffic safety requirements. Specifically, these instructions shall warn against stopping on travel portions of the roadway, passing other vehicles, and using median crossovers. All work performed by consultants shall conform to all applicable NHDOT Local, State, and Federal Health and Safety Rules and Regulation.

3. DETAILED SCOPE OF WORK

a. Scope

This work consists of providing qualified personnel for construction inspection, materials inspection/testing of precast/prestressed concrete, hot asphalt mixes and the general inspection and testing of materials for highway and bridge construction projects as required by the Engineer.

This work will consist of services for individual projects or multiple projects throughout the State. Materials inspection/testing for precast/prestressed concrete occurs at many plant sites located outside of the state.

Inspectors/Testers may be utilized for other associated duties not specifically shown in this AGREEMENT, when requested by the Engineer.

Consultant laboratory testing shall be for materials delivered to an AASHTO Accredited Laboratory to be tested at Department request.

b. Term of Agreement

This Agreement period begins on the date of approval by the Governor and Council and ends on December 31, 2017.

c. Staffing

The Consultant's personnel assigned to a Plant or Project must have prior inspection and testing experience in the areas of work which they are to perform, and must possess the required certification for the type of inspection or materials testing being performed.

Personnel assigned to a project or plant will be subject to prior review and approval by the

Department. The Consultant will immediately notify the Department Supervisor and the Contractor of any workmanship or materials, which do not conform to specifications, and shall have no authority to direct the Contractor's operations.

Personnel, as defined below and as identified in the technical proposal, shall not be replaced on the project/plant without Department approval.

The Consultant shall provide sufficiently trained personnel to adequately and competently perform the requirements of this AGREEMENT. The Consultant's personnel assigned to a particular Project shall perform all work to the satisfaction of the Engineer. Any person employed by the Consultant who, in the opinion of the Engineer, does not perform his/her work in a proper and skillful manner or is intemperate or disorderly or for any other reason, shall be removed immediately at the written request of the Engineer. Any personnel so removed will not be eligible for work at any other project/plant.

The Consultant shall provide personnel available to work whatever schedule is directed by the Engineer. Inspectors/materials testers shall be directed to check in with the Department Supervisor at the start and end of each work day, unless otherwise directed by the Department Supervisor. This check-in will include telling the Department Supervisor the start of work time and end of work time for that day.

The Consultant shall provide trained personnel for the following classifications of work:

<u>CLASSIFICATION</u>	<u>MINIMUM QUALIFICATION</u>
Soils and Aggregate Testing Technician	NETTCP Soils and Aggregate Testing Certification
Bituminous Concrete Plant Inspector	NETTCP Hot mix asphalt plant technician certification
Pre-cast/Pre-stress Concrete Inspector	PCI Level II
Field and Plant Concrete Inspector	NETTCP Concrete Technician

Construction Inspector

Four years experience in construction inspection and in managing construction projects. Applicable certification as NETTCP Concrete Inspector, Hot Mix Asphalt Paving Inspector, Soils And Aggregate Inspector*

NETTCP - New England Transportation Technician Certification Program

PCI - Precast Concrete Institute

* Or other experience and education acceptable to the Department

The consultant shall be at the Project/Plant full-time or as otherwise authorized by the Engineer.

At the time of bidding, the consultant shall have a minimum of seven certified personnel, and shall maintain this level of staffing throughout the life of the contract. The consultant's personnel shall maintain a minimum of the following certifications:

1. One Precast/Prestress Concrete Inspector.
2. Two Soils and Aggregate Testing Technicians
3. One Bituminous Concrete Plant Inspector
4. Two Field and Plant Concrete Inspectors
5. One Construction Inspector

Failure to maintain this level of staffing may result in forfeiture of the contract.

Employment of Consultant personnel may be terminated at any time their services are no longer required. The Department reserves the right to reassign personnel to various projects as needed.

Compensation for time worked under terms of this AGREEMENT shall begin and end at a specified Project Office or materials production plant. Travel may be required. Travel time in excess of one hour per day will be paid for travel to all initial destinations, whether in state or out of state. Once at a work site, the time required to travel to another work site, to perform requested duties, will be paid. Travel and per diem policies are outlined in Article II.

The Consultant shall comply with all current Federal, State, and local laws and regulations while performing work for the Department.

All inspectors and materials testers must be prequalified by the Department prior to being utilized under this agreement. Copies of certification documents, home addresses for purpose of mileage charges, and experience summaries must be submitted for each inspector/tester being proposed by the Consultant three weeks prior to starting work each calendar year.

When the consultant proposes to add inspectors/testers in addition to those approved under this contract, they should do so in writing to the Department with certification documents included. A revised listing of all inspectors/testers utilized under the agreement will be provided for each such request in the format shown in Appendix A.

At the Department's request all materials testers will participate in an independent assurance program with the Department. This will constitute an annual evaluation of each tester by a Department Independent Assurance Tester for each test performed. The evaluation will be accomplished through split samples, which will be compared for testing tolerance conformance. It is the responsibility of the tester to comply with this requirement. Materials testers not proficient in their work will not be allowed to continue to test for the Department.

The Department reserves the right, to direct the assignment and the reassignment, of personnel as deemed necessary to provide services to meet the requirements of the Department.

The Department reserves the right to reject any Consultant Personnel at any time.

d. **Pre-cast Concrete Inspection:**

The Consultant shall be responsible for inspecting the precast/prestressed work, including loading prior to shipment and after delivery; and the production, hauling and placement of highway related materials to ensure compliance with the Project plans and specifications.

e. **Materials Testing:**

The Consultant shall be responsible for the following:

1. Field and/or plant testing of Soils-Aggregate Materials.
2. Plant production inspection and product testing of bituminous concrete.
3. Plant production inspection and product testing of Portland cement concrete.
4. Field inspection and testing of Portland cement concrete.
5. Plant inspection and testing of precast/prestressed concrete.
6. Construction inspection.

Construction inspection responsibilities include the direct observation, measurement and/or testing of ongoing or completed project work to ensure conformance with the project plans, contract provisions, standard plans, and standard specifications as amended. The Inspector shall complete and maintain field notebooks, sketches, test reports, daily reports, record plans and payment records as necessary to document the work and to provide a basis for payments to the Contractor. The Inspector must be familiar with the NHDOT Standard Specifications, knowledgeable in inspection practices and pertinent regulations, and capable of generating records according to Department guidelines.

Responsibilities for the Construction Inspector shall include, but are not necessarily limited to, the physical checking of materials and workmanship for one or more of the construction activities outlined below on the project. The Construction Inspector performs various material tests as required by specifications, measures dimensions, computes quantities and completes field notes. The Construction Inspector must be knowledgeable in inspection practices and pertinent regulations, and must be capable of generating records according to Department guidelines. These duties shall be performed under the direct control and guidance of the Department Supervisor.

The following is a partial list of construction activities associated with construction inspection services:

1. Inspection of the production, hauling and placement of highway related materials.
2. Inspection of soil or rock excavations, and soil or rock fill construction.
3. Inspection of roadway base and subbase construction, including checking line and grade and slope construction.
4. Inspection of drainage work including pipe and structure installation, ditchline grading, detention/retention area construction, etc.
5. Inspection of utility construction for sewer, water, electricity, gas, etc.
6. Inspection of temporary and permanent erosion control measures and structures.
7. Inspection of traffic signs, traffic pavement markings and symbols, and traffic signal installations.
8. Inspection of bridge and building demolition.
9. Inspection of paving, resurfacing and pavement repair.
10. Inspection of guardrail, fence and other linear barriers.
11. Inspection of land clearing and landscaping.
12. Inspection of bridge substructure, including foundation preparation work, and bridge superstructure work.
13. Inspection of non-bridge structures such as retaining walls, overhead signs, sound walls, sidewalks, etc.
14. Inspection of traffic control procedures and devices.
15. Inspection of erosion and sediment control Best Management Practices (BMP's).

Construction inspection includes administrative duties related to assisting Department personnel in administering and execution of the construction contract, and the inspection of multiple, simultaneously occurring construction activities using assigned personnel or consultant services. Daily reports and permanent project records shall be completed by the Construction Inspector, who shall exercise independent actions in administration of the contract, while working under the general supervision of the Department.

All tests are to be completed in accordance with the latest NHDOT, AASHTO, or ASTM Test Method as applicable, and the Department's Construction Manual. Testing of Construction Materials shall be performed at the project or plant site during the time billed. There will be no additional payment for the testing. The Consultant is responsible to insure that all acceptance testing assigned to be performed by the Consultant is done in accordance with the Minimum Testing Requirements for the Project. The Department will typically perform Independent Assurance testing. However, should this service be requested, the Consultant may not perform Independent Assurance testing on their own staff.

Sampling for project acceptance will be completed by the Consultant. Mix designs for Portland Cement and Bituminous Concrete will be approved by the Department's Bureau of Materials and Research.

The Consultant shall not provide any services for the Contractor and or materials suppliers on projects where they have employees working under this AGREEMENT. Furthermore, during the **Time Periods Charged** for work performed under this agreement the CONSULTANT inspector/testers shall not provide or bill for services to any other agency and/or company.

- f. Field testing facilities shall be provided by the Contractor or suppliers for the use of materials testing technicians, and/or plant inspectors as described under the pertinent items of the NHDOT Standard Specifications as amended.

- g. Equipment furnished by the CONSULTANT
Standard equipment includes hard hats, reflective vests, gloves, coveralls, safety glasses, hearing protection, thermometers, six-foot rules, hand levels and calculators. In addition, the Consultant shall provide the following equipment according to the required activity:

1. Mobile telephones – Assigned inspectors/technicians shall be equipped with mobile telephones. The Consultant will provide the Department with mobile telephone numbers at the time of their assignment.
2. Field and/or plant testing of Soils-Aggregate Materials – 16” (406-mm) Diameter #4 (4.75-mm) sieve; 70-lb. (32-kg) capacity platform scale, 0.01-lb. (0.005-kg) sensitivity; round-ended and square-ended shovels, and a crowbar.
3. Field and plant inspection and testing of Portland cement concrete and precast concrete products -- slump test set, AASHTO T-119; Type B air meter, AASHTO T-152; 70-lb. (32-kg) capacity platform scale, 0.01-lb. (0.005-kg) sensitivity; 5/8” (15-mm) diameter tamping rod, 24” (600-mm) long; shovel and squared trowel, 6” (150-mm) minimum.
4. Appropriately sized tamping rod for use in fabricating concrete cylinders.
5. Nuclear Density Gauges - A nuclear density gauge will be furnished for the density testing of soils and/or hot mixed asphalt pavements. Gauge users must be licensed to operate nuclear density gauges. The CONSULTANT is responsible to ensure that operators are in compliance with all State and Federal regulations for the use of nuclear density gauges. At a minimum, nuclear gauges shall be calibrated at the frequency recommended by the manufacturers and leak tested at intervals not to exceed six (6) months. Calibration records and required safety checks, including current copies of leak tests, shall be kept with the nuclear gauge at all times.
6. Laptop Computers - Asphalt plant inspectors will be furnished with laptop computers compatible with NHDOT software for preparation and emailing of test reports to the NHDOT laboratory via high-speed internet service, provided by the asphalt suppliers at the plant laboratories.

The CONSULTANT shall furnish the equipment listed above at no additional cost to the DEPARTMENT. Scales and air meters shall be calibrated on a routine basis.

h. Consultant Laboratory Testing

Testing under this provision is to supplement the Department's Laboratory testing program and shall be performed at the request of the Department. Each test listed below shall be performed at an AASHTO Accredited Laboratory and shall be on a cost-per-test basis. Test results shall be provided to the requester of the service via telephone or fax within twenty-four (24) hours, or within an agreed-to period, from time of sample delivery. Test results shall be reported on Department forms by mail within forty-eight (48) hours of the test completion.

<u>Test Description</u>	<u>Test Method</u>
Concrete Cylinder Strength	AASHTO T 22
Coarse Aggregate Gradation	AASHTO T 27
Fine Aggregate Gradation	AASHTO T 27
Maximum Dry Density of Soil	AASHTO T 99
Material finer than #200 Sieve in Mineral Aggregate By Washing	AASHTO T 11

Other tests may be added under this contract at agreed prices.

Additionally, each laboratory tester will be required to participate in an Independent Assurance Testing Program with the Department on an annual basis. This would consist of either an observation of each test by a Department Independent Assurance Tester or a split sample for each test. Split samples would involve each party testing a portion of the same sample, followed by a comparison of results. Testers who do not meet the Department's proficiency criteria for the tests specified will not be qualified to perform work for the Department.

i Documentation:

The Consultant shall be experienced in construction materials inspection/tests/documentation and reporting.

The Consultant shall complete, maintain, and keep separate, distinct records and files for each construction Project as directed by the ENGINEER. Standard Department forms shall be used.

The Consultant shall maintain an individual inspector's diary, as directed by the ENGINEER, which shall record the progress of the inspector's work.

The consultant shall prepare and submit two copies of a report for all pre-cast/pre-stress inspection assignments, which shall include test results, inspector's daily log, materials reports, shop drawings, placement and curing information and all other information pertinent to the quality of the product.

The Consultant agrees to cooperate fully with the Department and to maintain and protect complete construction records at the project field office and/or the Bureau of Materials & Research for review, use and approval at all times. These records, upon request, shall be transferred to the custody of the Department when the Consultant has completed the assignment.

The Consultant shall be available to assist the Department in the processing of any Project claims or lawsuits until the Contractor's acceptance of the final estimate.

C. NONE

D. WORK SCHEDULE

The CONSULTANT shall complete the services without delay unless unable to do so for causes not under its control.

Consultants employed under the terms of this AGREEMENT shall be available to begin work within one week of the receipt of a Project Assignment Letter.

Close coordination between the CONSULTANT and the DEPARTMENT shall be maintained at all times.

A project conference between the Department Supervisor and the Consultant may be required as determined by the Engineer before the assigned work is started to insure that the CONSULTANT is in compliance with the DEPARTMENT's requirements. Lead time required to perform all necessary checks prior to the start of operations shall be agreed on.

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F. DATE OF COMPLETION

The date of completion for technical services rendered under this agreement shall be December 31, 2017.

ARTICLE II - COMPENSATION OF CONSULTANT FOR SPECIFIC RATES OF PAY

The work required under the terms of this AGREEMENT shall be paid for in accordance with the following schedule and stipulations:

A. GENERAL FEE

The total cost of all work, expenses and profit under this AGREEMENT shall not exceed \$500,000.00. The CONSULTANT shall note that no payments will be made for work, expenses or profit, whether authorized or not, exceeding the total amount.

The contract bid is only an estimate to establish unit prices and the actual work may vary with no change in unit prices for the duration of this agreement.

B. HOURLY RATES

Total hourly rates as shown in the bid documents, which include all charges attributed to direct costs, fringe benefits, payroll taxes, overhead and profit shall be used in billing for all work done under this AGREEMENT. The hourly direct labor rate for all classifications shall be as bid for the duration of this contract. Consultant employees shall be compensated a minimum of 4 hours per day for each day worked. The price for straight time per Consultant employee per hour shall be for the first forty (40) hours worked including paid travel time per week under this agreement. Overtime will be paid per Consultant employee per hour for the remaining hours in any week. Time Billed shall be to the nearest 1/4 hour. The overtime rate shall be 1 ½ times the straight time hourly rate. Payment for preparation of pre-cast/pre-stress inspection reports will be paid under item 1.1, Precast/Prestressed Concrete Inspection.

C. HOLIDAYS

Consultant will be compensated for work performed on holidays as defined in the NHDOT Standard Specifications at 1 ½ times the straight time hourly rate.

D. LABORATORY TESTS

Payment for laboratory testing done in the Consultant's laboratory, Under Article I B Scope of Work Section 3, i, will be at the rate as bid. The fee includes labor, equipment, and presentation of the results on NHDOT forms.

E. BLANK

F. DIRECT EXPENSES

Cost items (direct expenses) such as telephone, tolls, sepia reproduction and xerographic reproduction shall be billed at actual cost. The reimbursable costs for mileage shall be as shown in The General Services Administration (GSA), Regulation 41 CFR Part 301-4. The reimbursable costs for lodging shall be the actual expense as shown by receipt, but shall not exceed that allowed in the Federal Acquisition Regulations (Subpart 31.205-46) and in the Federal Travel Regulations. The reimbursable costs for meals shall be \$35.00 per diem. Mileage and per diem costs shall be subject to approval by the DEPARTMENT. In-state travel will be compensated at the actual mileage traveled by the most direct route.

Travel from out of state to a work site within state will be paid for at the actual mileage traveled from the state line to the work site by the most direct route.

Out of state inspection/testing for precast/prestressed facilities will be paid for at the actual mileage traveled by the most direct route.

For testing at asphalt plants, concrete plants or aggregate sources located out of state, the following will apply. If traveling from in state, the actual mileage by the most direct route will be paid. If traveling from out of state the lesser of the following will apply; a) actual distance traveled by the most direct route or b) computed mileage from Concord, NH to the facility by the most direct route.

Any dispute on the amount of mileage traveled will be resolved using the New Hampshire Mileage Reference Map, prepared by the NHDOT Bureau of Transportation Planning.

G. UPSET LIMITS

When assigning work for multiple days at distant locations, the Department may elect to pay the lesser of the cost: 1) of repeated overnight travel and mileage, or 2) of meals and lodging. The determination will be made by estimating the value of travel time (perhaps at an overtime rate) and mileage reimbursement and comparing against the value of lodging and meal per diem. The following formulas will be used to make the comparison.

$$\text{Travel Option: } [\text{Round-trip Mileage} \times \text{Mileage Rate}] + [(\text{Travel Miles} / 50\text{MPH} - 1) \times \text{Labor Rate}] =$$

$$\text{Lodging Option: Lodging} + \text{Per Diem} =$$

H. PAYMENTS

Payments on account for services rendered under this AGREEMENT will be made by the DEPARTMENT, based on a completely itemized, project-by-project bill submitted on a monthly basis by the CONSULTANT. Project bills shall list the project name, number, and Department Supervisor's name and signature. In addition, a monthly schedule shall be submitted for all employees utilized under this agreement, with a chronological listing of days worked, accompanied by the project number(s) and hours charged to each.

All billing shall be submitted within sixty (60) days from the date the service was rendered. Invoices submitted after the sixty (60) day time period will not be paid. Receipts for lodging and all other costs (excluding meals allowance) are required. Credit card receipts for lodging are not acceptable.

I. RECORDS - REPORTS

The CONSULTANT shall maintain adequate cost records for all direct expenses billed under this AGREEMENT. All records, photographs and other evidence pertaining to cost incurred shall be made available at all reasonable times during the AGREEMENT period and for three (3) years from the date of final voucher payment for examination by the STATE, Federal Highway Administration, or other authorized representatives of the Federal Government, and copies thereof shall be furnished if requested. Applicable cost principles are contained in the Federal Acquisition Regulation (FAR) in Title 48 of the Code of Federal Regulations (Subpart 31.2 and Subpart 31.105).

ARTICLE III - GENERAL PROVISIONS

- A. HEARINGS, ETC.**
(This section blank)

- B. CONTRACT PROPOSALS**
(This section blank)

ARTICLE IV

ARTICLE IV - SPECIAL PROVISIONS

A. STANDARD SPECIFICATIONS

The CONSULTANT agrees to follow the provisions of the Standard Specifications for Road and Bridge Construction and Construction Manual of the State of New Hampshire, Department of Transportation, and the Standard Specifications for Highway Bridges of the American Association of State Highway and Transportation Officials and all applicable AASHTO and ASTM standard test methods and amendments thereto, or other professional codes or standards applicable to the services to be performed under this AGREEMENT.

B. REVIEW BY STATE AND FEDERAL HIGHWAY ADMINISTRATION - CONFERENCES - INSPECTIONS

It is mutually agreed that all portions of the work covered by this AGREEMENT shall be subject to the inspection of duly-authorized representatives of the STATE and Federal Highway Administration, United States Department of Transportation, at such time or times as the STATE or Federal Highway Administration deems appropriate.

The location of the office where the work will be available for inspection by STATE and Federal Highway Administration representatives is 19 Dover Street, Dover, NH 03820

It is further mutually agreed that any party, including the duly-authorized representatives of the Federal Highway Administration, may request and obtain conferences, visits to the site, and inspection of the work at any reasonable time.

C. EXTENT OF CONTRACT

1. Contingent Nature of AGREEMENT

Notwithstanding anything in this AGREEMENT to the contrary, all obligations of the STATE, including, without limitation, the continuance of payments, are contingent upon the availability and continued appropriation of funds, and in no event shall the STATE be liable for any payments in excess of such available appropriated funds. In the event of a reduction or termination of those funds, the STATE shall have the right to terminate this AGREEMENT.

2. Termination

The DEPARTMENT shall have the right at any time, and for any cause, to terminate the work required of the CONSULTANT by this AGREEMENT, by written notice of such termination

provided to the CONSULTANT by the DEPARTMENT, and, in the event of such a termination of this AGREEMENT, without fault on the part of the CONSULTANT, the CONSULTANT shall be entitled to compensation for all work theretofore satisfactorily performed, pursuant to this AGREEMENT, such compensation to be fixed, insofar as possible, based upon the work performed prior to termination. It shall be a breach of this AGREEMENT if the CONSULTANT shall fail to render timely the services required under this AGREEMENT, in accordance with sound professional principles and practices, to the reasonable satisfaction of the DEPARTMENT, or shall be in such financial condition as to be unable to pay its just debts as they accrue, or shall make an assignment for the benefit of creditors, or shall be involved in any proceeding, voluntary or involuntary, resulting in the appointment of a receiver or trustee over its affairs, or shall become dissolved for any cause. In the event of the happening of any one or more of the foregoing contingencies, or upon the substantial breach of any other provisions of this AGREEMENT by the CONSULTANT, its officers, agents, employee, and subconsultants, the DEPARTMENT shall have the absolute right and option to terminate this AGREEMENT forthwith, and, in addition, may have and maintain any legal or equitable remedy against the CONSULTANT for its loss and damages resulting from such breach or breaches of this AGREEMENT; provided, however, that as to all plans, drawings, tracings, estimates, specifications, reports, proposals, sketches, diagrams and calculations, together with all material and data theretofore furnished to the DEPARTMENT by the CONSULTANT, of a satisfactory nature in accordance with this AGREEMENT, which plans, drawings, tracings, etc., are of use to the DEPARTMENT, the CONSULTANT shall be entitled to a credit, based on the contract rate for the work so performed in a satisfactory manner and of use and benefit to the DEPARTMENT.

D. REVISIONS TO REPORTS, PLANS OR DOCUMENTS

The CONSULTANT shall perform such additional work as may be necessary to correct errors in the work required under the AGREEMENT, caused by errors and omissions by the CONSULTANT, without undue delays and without additional cost to the DEPARTMENT.

Furthermore, prior to final approval of plans, specifications, estimates, reports or documents by the DEPARTMENT, the CONSULTANT shall make such revisions of them as directed by the DEPARTMENT, without additional compensation therefore except as hereinafter provided:

1. If, after its written approval thereof, the DEPARTMENT shall require changes to the plans or documents that revise engineering or other factors specifically approved, thereby necessitating revisions of the contract plans or documents, or,
2. If, after approval by the DEPARTMENT of the final contract plans or documents, the CONSULTANT shall be ordered in writing by the DEPARTMENT to make revisions, or to perform services other than those necessary in order to adapt said plans, reports or documents to conditions observed during field inspections and encountered during construction; the CONSULTANT shall be entitled to compensation therefor in accordance with Article II, Section B, such compensation to be in addition to the fee specified in Article II, Section A, for its original work on the plans, reports or documents.

E. ADDITIONAL SERVICES

If additional services are performed by the CONSULTANT through its own acts, which are not usable or applicable to this project, the cost of such additional services shall not be reimbursable.

F. OWNERSHIP OF PLANS

All data, plans, drawings, tracings, estimates, specifications, proposals, sketches, diagrams, calculations, reports or other documents collected, prepared, or undertaken either manually or electronically by the CONSULTANT, under the provisions of this AGREEMENT, immediately shall become the property of the DEPARTMENT, and, when completed, shall bear the CONSULTANT'S endorsement. The CONSULTANT shall surrender to the DEPARTMENT, upon demand at any time, or submit to its inspection, any data, plan, drawing, tracing, estimate, specification, proposal, sketch, diagram, calculation, report or document which shall have been collected, prepared, or undertaken by the CONSULTANT, pursuant to this AGREEMENT, or shall have been hitherto furnished to the CONSULTANT by the DEPARTMENT. The CONSULTANT shall have the right, with the written approval of the DEPARTMENT, to use any of the data prepared by it and hitherto delivered to the DEPARTMENT at any later stage of the project contemplated by this AGREEMENT.

G. SUBLETTING

The CONSULTANT shall not sublet, assign or transfer any part of the CONSULTANT'S services or obligations under this AGREEMENT without the prior approval and written consent of the DEPARTMENT.

All subcontracts shall be in writing and those exceeding \$10,000 shall contain all provisions of this AGREEMENT, including "Certification of CONSULTANT/Subconsultant." A copy of each subcontract shall be submitted for the DEPARTMENT'S files.

H. GENERAL COMPLIANCE WITH LAWS, ETC.

The CONSULTANT shall comply with all Federal, STATE and local laws, and ordinances applicable to any of the work involved in this AGREEMENT and shall conform to the requirements and standards of STATE, municipal, railroad and utility agencies whose facilities and services may be affected by the construction of this project. The services shall be performed so as to cause minimum interruption to said facilities and services.

I. BROKERAGE

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT, to meet the staffing requirements of this Contract, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gift or any other consideration, contingent upon or resulting from the award or making of this Contract. For breach or violation of this warranty, the STATE shall have the right to annul this Contract without liability, or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

J. CONTRACTUAL RELATIONS

1. Independent Contractor

The CONSULTANT agrees that its relation to the STATE is as an independent contractor and not as an agent or employee of the STATE.

2. Claims and Indemnification

a. Non-Professional Liability Indemnification

The CONSULTANT agrees to defend, indemnify and hold harmless the STATE and all of its officers, agents and employees from and against any and all claims, liabilities or suits arising from (or which may be claimed to arise from) any (i) acts or omissions of the CONSULTANT or its subconsultants in the performance of this AGREEMENT allegedly resulting in property damage or bodily injury and/or (ii) misconduct or wrongdoing of the CONSULTANT or its subconsultants in the performance of this AGREEMENT.

b. Professional Liability Indemnification

The CONSULTANT agrees to defend, indemnify and hold harmless the STATE and all of its officers, agents and employees from and against any and all claims, liabilities or suits arising from (or which may be claimed to arise from) any negligent acts or omissions of the CONSULTANT or its subconsultants in the performance of professional services covered by this AGREEMENT.

- c. These covenants shall survive the termination of the AGREEMENT. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the STATE, which immunity is hereby reserved by the STATE.

3. Insurance

a. Required Coverage

The CONSULTANT shall, at its sole expense, obtain and maintain in force the following insurance:

1. Commercial or comprehensive general liability insurance including contractual coverage, for all claims of bodily injury, death or property damage, in policy amounts of not less than \$250,000 per occurrence and \$2,000,000 in the aggregate (STATE to be named as an additional insured); and
2. Comprehensive automobile liability insurance covering all motor vehicles, including owned, hired, borrowed and non-owned vehicles, for all claims of bodily injury, death or property damage, in policy amounts of not less than \$500,000 combined single limit; and
3. Professional liability (errors and omissions) insurance coverage of not less than \$2,000,000 in the aggregate. If coverage is claims made, the period to report claims shall extend for not less than three years from the date of substantial completion of the construction contract. No retention (deductible) shall be more than \$75,000; and
4. Workers' compensation and employer's liability insurance as required by law.

b. Proof of Insurance

The policies described in paragraph (a) of this section and Section G. shall be in the standard form employed in the STATE, issued by underwriters licensed or approved by the Department of Insurance of the STATE. Each policy shall contain a clause prohibiting

cancellation or modifications of the policy earlier than thirty (30) days after written notice thereof has been received by the STATE. The CONSULTANT shall provide to the STATE a certificate of insurance evidencing the required coverages and cancellation clause prior to submittal of the AGREEMENT to Governor and Council for approval and shall have a continuing duty to provide new certificates of insurance as the policies are amended or renewed.

4. No Third-Party Rights

It is not intended by any of the provisions of the AGREEMENT to make the public or any member thereof a third-party beneficiary of the AGREEMENT, or to authorize anyone not a party to this AGREEMENT to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of his Contract. The duties, obligations and responsibilities of the parties to this AGREEMENT with respect to third parties shall remain as imposed by law. No portion of this AGREEMENT shall be understood to be a waiver of the STATE'S sovereign immunity.

5. Construction of AGREEMENT

This AGREEMENT is executed in a number of counterparts, each of which is an original and constitutes the entire AGREEMENT between the parties. This AGREEMENT shall be construed according to the laws of the STATE. Any claim brought under or relative to this agreement shall be brought in the Courts of the State.

K. AGREEMENT MODIFICATION

The assignment of the CONSULTANT, generally established by the scope of work in this AGREEMENT, shall not be modified in any way without prior approval of the Governor and Council. If any part of this AGREEMENT is held unenforceable for any reason, the remaining portion of this AGREEMENT shall remain in full force and effect, and shall be carried out in a manner that is consistent with the intentions of the parties hereto.

L. EXTENSION OF COMPLETION DATE(S)

If, during the course of the work, the CONSULTANT anticipates that he cannot comply with one or more of the completion dates specified in this agreement, it shall be the CONSULTANT'S responsibility to notify the Department in writing at least thirty (30) days prior to the completion date(s) in question. The CONSULTANT shall state the reasons that a completion date(s) cannot be met and request a revised date(s) for consideration by the DEPARTMENT.

M. EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES

The CONSULTANT shall comply with Title VI of the Civil Rights Act of 1964, as amended. Accordingly, 49 CFR 21 through Appendix H and 23 CFR 710.405(b) and, for contracts in excess of \$10,000, Executive Order 11246 entitled "Equal Employment Opportunity," as amended by Executive Order 11375 and as supplemented in Department of Labor regulations (41 CFR Part 60), shall be applicable to this AGREEMENT and any subagreements hereunder.

N. DISADVANTAGED BUSINESS ENTERPRISE POLICY AGREEMENT REQUIREMENTS

1. Policy. It is the policy of the United States Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 (Amended) shall have the maximum opportunity to participate in the performance of agreements financed in whole or in part with Federal funds. Consequently, the DBE requirements of 49 CFR Part 23 (Amended) apply to this AGREEMENT.
2. Disadvantaged Business Enterprise (DBE) Obligation. The STATE and its Consultants agree to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 (Amended) have the maximum opportunity to participate in the performance of agreements and any subagreements financed in whole or in part with Federal funds. In this regard, the STATE and its Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 (Amended) to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform work specified in the agreements. The STATE and its Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT - assisted agreements.
3. Sanctions for Non-Compliance. The CONSULTANT is hereby advised that failure of the CONSULTANT, or any Subconsultant performing work under this AGREEMENT, to carry out the requirements set forth in paragraphs 1 and 2 above shall constitute a breach of agreement and, after

the notification of the DEPARTMENT, may result in termination of this AGREEMENT by the STATE or such remedy as the STATE deems appropriate.

O. DOCUMENTATION

The CONSULTANT shall document the results of the work to the satisfaction of the DEPARTMENT and the Federal Highway Administration. This shall include preparation of progress reports, plans, specifications and estimates and similar evidences of attainment of objectives called for in this AGREEMENT.

P. CLEAN AIR AND WATER ACTS

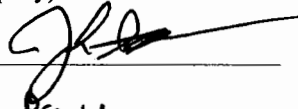
If the amount of the AGREEMENT or subcontract thereunder exceeds \$100,000, the CONSULTANT or subconsultant shall comply with applicable standards, orders or requirements issued under Section 306 of the Federal Clean Air Act (43 U.S.C. 1857(h)), Section 508 of the Federal Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR Part 15), which prohibit the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA List of Violating Facilities. The CONSULTANT or subconsultant shall report violations to the FHWA and to the U. S. Environmental Protection Agency Assistant Administrator for Enforcement (EN-329).

ATTACHMENTS

**CERTIFICATION WITH REGARD TO THE PERFORMANCE OF PREVIOUS
CONTRACTS OR SUBCONTRACTS SUBJECT TO THE EQUAL OPPORTUNITY
CLAUSE AND THE FILING OF REQUIRED REPORTS.**

The CONSULTANT , proposed subcontractor , hereby certifies that he has , has not , participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Order 11246 and that it has , has not , filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

John Turner Consulting, Inc.
(Company)

By: 
President

(Title)

Date: 10/14/15

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b)(1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Contract Compliance, U.S. Department of Labor.

(Revised: June 1980) **NOTE: TO BE COMPLETED BY CONSULTANT WHEN SIGNING AGREEMENT.**

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CERTIFICATION OF CONSULTANT/SUBCONSULTANT

I hereby certify that I am the President and duly-authorized representative of the firm of John Turner Consulting, Inc., and that neither I nor the above firm I here represent has:

- (a) employed or retained for a commission, percentage, brokerage, contingent fee, or other considerations, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Contract,
- (b) agreed, as an express or implied condition for obtaining this Contract, to employ or retain the services of any firm or person in connection with carrying our the Contract, or
- (c) paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying our the Contract:

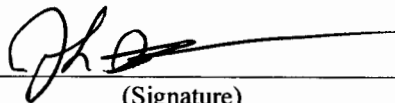
I/WE do also, under penalty of perjury under the laws of the United States, certify that, except as noted below, the company or any person associated therewith in the capacity of (owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of Federal funds): (a) is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency; (b) has not been suspended, debarred, voluntarily excluded or determined ineligibility by any Federal agency within the past three years; (c) does not have a proposed debarment pending; and (d) has not be indicated, convicted or have a civil judgment rendered against (it) by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

except as here expressly stated (if any):

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate below to whom it applied, the initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

I acknowledge that this certificate is to be furnished to the State Department of Transportation and the Federal Highway Administration, U.S. Department of Transportation, in connection with this Contract involving participation of Federal-aid highway funds, and is subject to applicable State and Federal laws, both criminal and civil.

10/14/15
(Date)


(Signature)

CERTIFICATION OF STATE DEPARTMENT OF TRANSPORTATION

I hereby certify that I am the Director of Project Development of the Department of Transportation of the State of New Hampshire, and the above consulting firm or its representatives has not been required, directly or indirectly as an express or implied condition in connection with obtaining or carrying out this contract.

- (a) employ or retain, or agree to employ or retain, any firm or person, or
- (b) pay, or agree to pay, to any firm, person, or organization, any fee, contribution, donation, or consideration of any kind:

except as here expressly stated (if any):

11/9/15
(Date)


(Signature)

**CERTIFICATION FOR FEDERAL-AID CONTRACTS
EXCEEDING \$100,000 IN FEDERAL FUNDS**

The prospective participant certifies, by signing and submitting this agreement, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower-tier subcontracts which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

September 8, 2015

New Hampshire Department of Transportation
 Special Statewide Materials Inspection and Testing Consulting Agreement
 Special Statewide Project No.

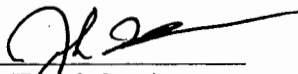
APPROVED CLASSIFICATION SCHEDULE

Consultant Name: John Turner Consulting, Inc.
 Street Address: 19 Dover Street
 City, State, Zip Code: Dover, NH 03820

Employee	Employee Classification					
	1	2X	3	4X	5X	6
Berard, Tim		2X	3	4X	5X	6
Brickett, Tristan				X	X	
Cote, Chris	X	X		X	X	
Crawley, Sean	X	X		X	X	
Keenan, Jason	X	X	X	X	X	
Lisowski, Nick	X	X		X	X	
Cutler, Nick		X	X		X	
Colony, Jessica		X	X		X	
Cutler, Josh		X	X	X	X	
G-d-b-d, Mike		X	X	X	X	
Piper, Josh		X			X	
Pellerin, Matt			X	X	X	
Nuzzo, Chris			X		X	
Mosijchuk, Andy	X	X			X	

Key to Employee Classification

1. Precast/Prestressed Concrete Inspector/Tester
2. Soils Testing Technician
3. Bituminous Concrete Plant Inspector/Tester
4. Field and Plant Concrete Inspector/Tester
5. Construction Inspector

Submitted by: 
 (Typed Name)
John D. Turner
Principal

Accepted by: _____
 Chief of Materials Technology
 Bureau of Materials and Research

SEAL AND SIGNATURE PAGE

IN WITNESS WHEREOF the parties hereto have executed this AGREEMENT on the day and year first above written.

(SEAL)

Consultant

WITNESSES TO THE CONSULTANT:

By: [Signature]

Dated: 10/14/15

CONSULTANT

By: [Signature]
President (Title)

Dated: 10/14/15

Department of Transportation

THE STATE OF NEW HAMPSHIRE

By: [Signature]

for DOT Commissioner

Dated: 11/9/15

Attorney General

This is to certify that the above Agreement has been reviewed by this office, and is approved as to form and execution.

Dated: 12/8/15

By: [Signature]
Assistant Attorney General

Secretary of State

This is to certify that the GOVERNOR AND COUNCIL on _____ approved this Agreement.

Dated: _____

Attest:
By: _____
Secretary of State

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

Proposal of John Turner Consulting, Inc.
NAME

19 Dover street, Dover NH 03820
ADDRESS

to furnish and deliver all materials and to perform all work in accordance with the Contract of the State of New Hampshire, Department of Transportation for materials testing and construction services on which proposals will be received until 2:00 o'clock P.M., Prevailing Time on the 23rd day of September, 2015. Said project being situated as follows:

Statewide

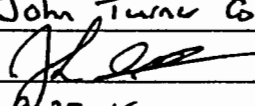
N.H. Department of Transportation
John O. Morton Building
Room 130, Contract Section
P. O. Box 483
Concord, NH 03302-0483

Commissioner:

In accordance with the advertisement of the Department of Transportation inviting proposals for the project hereinbefore named and in conformity with the Plans and Specifications on file in the office of the Department of Transportation, I/WE hereby certify that I AM/WE ARE the only person, or persons, interested in this proposal as principals; that this proposal is made without collusion with any person, firm or corporation; that an examination has been made of the Plans, of the Standard Specifications, of the Standard Plans Book, of the Proposal, and applicable addendums, including but not restricted to the Special Attentions, Supplemental Specifications, and Special Provisions attached thereto, and also that an examination has been made of the site of the work; and I, or we, propose to furnish all necessary machinery, equipment, tools, labor and other means of construction, and to furnish all materials specified in the manner and at the time prescribed; and understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all quantities of work whether increased or decreased are to be performed at the following prices:

CONTRACTOR'S BID SHEET
 NHDOT Project 13967-V, 13967-W, 13967-X
 Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID IN WORDS	UNIT PRICES		AMOUNT	
			DOLLARS	CENTS	DOLLARS	CENTS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection AT <u>Forty five $\frac{00}{100}$</u> _____ DOLLARS PER HR	45	00	135,000	00
1.2	1000 hr.	Bituminous Testing and Inspection AT <u>Forty eight $\frac{00}{100}$</u> _____ DOLLARS PER HR	48	00	48,000	00
1.3	3500 hr.	Concrete/Soils Testing and Inspection AT <u>Thirty seven $\frac{50}{100}$</u> _____ DOLLARS PER HR	37	50	131,250	00
1.4	500 hr.	Construction Inspector AT <u>Thirty-six $\frac{00}{100}$</u> _____ DOLLARS PER HR	36	00	18,000	00
2.1	100 ea.	Concrete Cylinder Strength AT <u>Four $\frac{00}{100}$</u> _____ DOLLARS PER EA	4	00	400	00

2.2	25 ea.	Coarse Aggregate Gradation AT <u>Fifteen $\frac{00}{100}$</u> _____ DOLLARS PER EA	Fifteen DOT 15	00	375	00
2.3	25 ea.	Fine Aggregate Gradation AT <u>Fifteen $\frac{00}{100}$</u> _____ DOLLARS PER EA	15	00	375	00
2.4	25 ea.	Maximum Dry Density of Soil AT <u>Fifty $\frac{00}{100}$</u> _____ DOLLARS PER EA	50	00	1250	00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing AT <u>Fifteen $\frac{00}{100}$</u> _____ DOLLARS PER EA	15	00	375	00
		Grand Total and \$ <u>Three hundred and thirty five thousand and twenty five</u> $\frac{00}{100}$			335,025	00
Company:	John Turner Consulting, Inc.					
Signature:	 , President					
Date:	2/22-15					

July 27, 1999

It is further proposed:

To execute the Contract and begin work within 10 days from the date specified in the "Notice to Proceed" and to prosecute said work so as to complete the Statewide materials testing and construction inspection services agreement and its appurtenances on or before December 31, 2017

To guarantee all of the work performed under this Contract to be done in accordance with the Specifications and in good and workmanlike manner, and to renew or repair any work which may be rejected, due to defective materials or workmanship, prior to final completion and acceptance of the project.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions.

(1). The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. (2). Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Contract Affidavit

I/We declare under penalty of perjury under the laws of the United States and the State of New Hampshire that, in accordance with the provisions of Title 23 USC, Section 112(c), have not either directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this Proposal.

Dated: 9-22-15

(If a firm or individual)

Signature of Bidder _____

By _____

Address of Bidder _____

Names and addresses of members of the Firm:

(If a Corporation)

Signature of Bidder 

Title President

By John D. Turner

Business Address 19 Dover Street, Dover, NH 03820

Incorporated under the laws of the State of New Hampshire

Names of Officers:

President John D. Turner 49 Barrett Farm Drive, Greenland, NH
Name Address 03840

Secretary AL South 225 Washington St. Dover NH 03820
Name Address

Treasurer John D. Turner 49 Barrett Farm Drive, Greenland, NH 0384
Name Address

State of New Hampshire
Department of State

CERTIFICATE

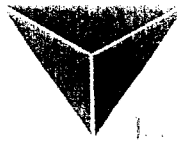
I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that JOHN TURNER CONSULTING, INC. is a New Hampshire corporation duly incorporated under the laws of the State of New Hampshire on October 3, 1997. I further certify that all fees and annual reports required by the Secretary of State's office have been received and that articles of dissolution have not been filed.



In TESTIMONY WHEREOF, I hereto
set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 16th day of October, A.D. 2015

William M. Gardner

William M. Gardner
Secretary of State



GEOTECHNICAL ▾ ENVIRONMENTAL

INSPECTIONS ▾ TESTING

CERTIFICATE OF VOTE

I, John D Turner, hereby certify that I am the duly elected President of John Turner Consulting, Inc.

I hereby certify that following is a true copy of a vote taken at a meeting of the Board of Directors of the Corporation, duly called and held on October 14, 2015 at which a quorum of the Board was present and voting.

VOTED:

The purpose of this meeting was to name those persons within the corporation who are authorized to sign documents on behalf of the corporation for the Materials Testing and Construction Inspection Services (Project 13967).

RESOLVED, that the following persons are authorized to sign, as indicated:

John D Turner, President and John D Turner, Vice President. All document authors for the purpose of technical reports.

I hereby certify that said vote has not been amended or repealed and remains in full force and effect as of October 14, 2015 and that John D Turner is the duly elected CEO, President and Vice President of this corporation.

Date: OCTOBER 14, 2015

Attest:

Clerk/Secretary

CORPORATE SEAL



JOHNTUR-02

JHOGAN

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/4/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Roblin Insurance Agency 144 Gould Street Suite 100 Needham, MA 02494	CONTACT NAME: PHONE (A/C, No, Ext): (781) 455-0700 FAX (A/C, No): (781) 449-8976 E-MAIL ADDRESS: certificates@roblininsurance.com																					
INSURED John Turner Consulting Inc 19 Dover St Dover, NH 03820	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td style="width: 50%;">INSURER A:</td> <td style="width: 30%;">Travelers Insurance Co</td> <td style="width: 20%;"></td> </tr> <tr> <td>INSURER B:</td> <td>Lloyd's of London</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Travelers Insurance Co		INSURER B:	Lloyd's of London		INSURER C:			INSURER D:			INSURER E:			INSURER F:		
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INSURER C:																						
INSURER D:																						
INSURER E:																						
INSURER F:																						

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			6806D269577TCT15	10/20/2015	10/20/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 1,000,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			BA-6D270668-15-GRP	10/20/2015	10/20/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CUP-6D273289-15-47	10/20/2015	10/20/2016	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	XJUB4160T30115	10/20/2015	10/20/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional Liabili			PGIARK0153204	11/29/2015	11/29/2016	Professional 2,000,000
B	Pollution			PGIARK0153204	11/29/2015	11/29/2016	Pollution 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: NHDOT 13933-E Salem-Manchester (Salem, Exit 2 area).

New Hampshire Department of Transportation is additional insured with regard to General Liability, Automobile & Excess/Umbrella policies.

CERTIFICATE HOLDER

CANCELLATION

New Hampshire Department of Transportation 7 Hazen Drive Concord, NH 03302	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

AGREEMENT FOR TECHNICAL SERVICES

MATERIALS TESTING AND
CONSTRUCTION INSPECTION SERVICES

NHDOT PROJECTS 13967-W

CONTRACT DATES:

FROM GOVERNOR AND COUNCIL APPROVAL

TO DECEMBER 31, 2017

CONTRACT WITH: Terracon Consultants, Inc.
77 Sundial Ave., #401 W
Manchester, NH 03103

NH DOT CONTACT: Denis M. Boisvert
Bureau of Materials and Research
5 Hazen Drive, PO Box 483
Concord, NH 03302-0483
Telephone: (603)271-3151
Facsimile: (603)271-8700

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AGREEMENT FOR
MATERIALS INSPECTION
AND TESTING SERVICES

This AGREEMENT is made the 28th day of October

in the year of 2015 by and between the STATE OF NEW HAMPSHIRE, hereinafter referred to as the State, acting by and through its COMMISSIONER OF THE DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the COMMISSIONER and DEPARTMENT, acting under Chapter 228 of the Revised Statutes Annotated, and Terracon Consultants, Inc., principal place of business at, 77 Sundial Ave., #401 W, Manchester, NH 03103, hereinafter referred to as the CONSULTANT.

ARTICLE I

In consideration of the undertaking of the parties hereinafter set forth, the Department hereby engages the Consultant, who agrees to render construction inspection, precast/prestressed inspection, concrete materials inspection, bituminous materials inspection, soil materials inspection, and materials testing services to the Department, which shall include, but not be restricted to, the following items, in accordance with conditions and terms hereinafter set forth:

ARTICLE I - DESCRIPTION OF TECHNICAL SERVICES RENDERED

A. GENERAL

The CONSULTANT agrees to render services to the DEPARTMENT including, but not restricted to tasks set forth in this Contract under B: Scope of Work in accordance with conditions and terms as hereinafter set forth. The provisions of ARTICLE I are considered an outline of the required work in a general manner and should not be construed as being a final detail list of all work required of the Consultant. The Consultant shall perform incidental items necessary to accomplish the work according to NHDOT Standard Specifications as amended and standard practices.

If during the life of this agreement there are testing and inspection services required which are not covered under the bid items, new items may be negotiated.

B: SCOPE OF WORK

1. DEFINITIONS

Consultant: An individual or firm, which will furnish construction inspection and/or materials testing services.

Project: The specific section of the highway together with all appurtenances to be constructed under the construction contract.

Project Assignment Letter: A letter outlining the specifics on a project, including such items as location, starting date, expected duration, and Department Supervisor.

Engineer: The Assistant Commissioner of the Department, who is responsible for engineering supervision of the construction, acting directly or through his/her duly authorized representatives.

Department Supervisor: The individual within the Department to whom the consultant's plant inspector/tester or materials inspector/tester reports directly.

Assignment: An ASSIGNMENT assigns a consultant to a project or multiple projects, outlines his/her duties and identifies the Department Supervisor.

Plant: Contractor's or supplier's place of manufacture of construction materials.

Construction Inspector Personnel who monitor and document contractor's work performed on Department construction projects for conformance with the specifications.

2. GENERAL DESCRIPTION

The Consultant, acting as an independent contractor, will serve to supplement the Department's staff in construction inspection, materials testing for precast/prestressed concrete, and inspection/testing of materials to be used in construction contracts in accordance with the Department's plans, specifications, standards, procedures and manuals.

The Department will assign the Consultant to the individual project or multiple projects requiring services.

The Consultant will perform construction inspection and testing of materials as directed by the Engineer. Inspection and materials testing for precast/prestressed items will typically be performed at the plant site and may also consist of inspecting products in transport. General inspection and testing of material may be at either a project or plant site. The Consultant will supply its own vehicles to provide the services outlined below for each project. For the protection of traffic, all vehicles used on the project shall be equipped with amber flashing lights or rotating lights visible from 360 degrees around the vehicle. The flashing light system shall be in continuous operation while the vehicle is on any part of the traveled lanes, shoulders or ramps

within the construction zone. All drivers of vehicles used on the project shall be furnished with written instructions concerning the manner of operation of these vehicles regarding traffic safety requirements. Specifically, these instructions shall warn against stopping on travel portions of the roadway, passing other vehicles, and using median crossovers. All work performed by consultants shall conform to all applicable NHDOT Local, State, and Federal Health and Safety Rules and Regulation.

3. DETAILED SCOPE OF WORK

a. Scope

This work consists of providing qualified personnel for construction inspection, materials inspection/testing of precast/prestressed concrete, hot asphalt mixes and the general inspection and testing of materials for highway and bridge construction projects as required by the Engineer.

This work will consist of services for individual projects or multiple projects throughout the State. Materials inspection/testing for precast/prestressed concrete occurs at many plant sites located outside of the state.

Inspectors/Testers may be utilized for other associated duties not specifically shown in this AGREEMENT, when requested by the Engineer.

Consultant laboratory testing shall be for materials delivered to an AASHTO Accredited Laboratory to be tested at Department request.

b. Term of Agreement

This Agreement period begins on the date of approval by the Governor and Council and ends on December 31, 2017.

c. Staffing

The Consultant's personnel assigned to a Plant or Project must have prior inspection and testing experience in the areas of work which they are to perform, and must possess the required certification for the type of inspection or materials testing being performed.

Personnel assigned to a project or plant will be subject to prior review and approval by the

Department. The Consultant will immediately notify the Department Supervisor and the Contractor of any workmanship or materials, which do not conform to specifications, and shall have no authority to direct the Contractor's operations.

Personnel, as defined below and as identified in the technical proposal, shall not be replaced on the project/plant without Department approval.

The Consultant shall provide sufficiently trained personnel to adequately and competently perform the requirements of this AGREEMENT. The Consultant's personnel assigned to a particular Project shall perform all work to the satisfaction of the Engineer. Any person employed by the Consultant who, in the opinion of the Engineer, does not perform his/her work in a proper and skillful manner or is intemperate or disorderly or for any other reason, shall be removed immediately at the written request of the Engineer. Any personnel so removed will not be eligible for work at any other project/plant.

The Consultant shall provide personnel available to work whatever schedule is directed by the Engineer. Inspectors/materials testers shall be directed to check in with the Department Supervisor at the start and end of each work day, unless otherwise directed by the Department Supervisor. This check-in will include telling the Department Supervisor the start of work time and end of work time for that day.

The Consultant shall provide trained personnel for the following classifications of work:

<u>CLASSIFICATION</u>	<u>MINIMUM QUALIFICATION</u>
Soils and Aggregate Testing Technician	NETTCP Soils and Aggregate Testing Certification
Bituminous Concrete Plant Inspector	NETTCP Hot mix asphalt plant technician certification
Pre-cast/Pre-stress Concrete Inspector	PCI Level II
Field and Plant Concrete Inspector	NETTCP Concrete Technician

Construction Inspector

Four years experience in construction inspection and in managing construction projects. Applicable certification as NETTCP Concrete Inspector, Hot Mix Asphalt Paving Inspector, Soils And Aggregate Inspector*

NETTCP - New England Transportation Technician Certification Program

PCI - Precast Concrete Institute

* Or other experience and education acceptable to the Department

The consultant shall be at the Project/Plant full-time or as otherwise authorized by the Engineer.

At the time of bidding, the consultant shall have a minimum of seven certified personnel, and shall maintain this level of staffing throughout the life of the contract. The consultant's personnel shall maintain a minimum of the following certifications:

1. One Precast/Prestress Concrete Inspector.
2. Two Soils and Aggregate Testing Technicians
3. One Bituminous Concrete Plant Inspector
4. Two Field and Plant Concrete Inspectors
5. One Construction Inspector

Failure to maintain this level of staffing may result in forfeiture of the contract.

Employment of Consultant personnel may be terminated at any time their services are no longer required. The Department reserves the right to reassign personnel to various projects as needed.

Compensation for time worked under terms of this AGREEMENT shall begin and end at a specified Project Office or materials production plant. Travel may be required. Travel time in excess of one hour per day will be paid for travel to all initial destinations, whether in state or out of state. Once at a work site, the time required to travel to another work site, to perform requested duties, will be paid. Travel and per diem policies are outlined in Article II.

The Consultant shall comply with all current Federal, State, and local laws and regulations while performing work for the Department.

All inspectors and materials testers must be prequalified by the Department prior to being utilized under this agreement. Copies of certification documents, home addresses for purpose of mileage charges, and experience summaries must be submitted for each inspector/tester being proposed by the Consultant three weeks prior to starting work each calendar year.

When the consultant proposes to add inspectors/testers in addition to those approved under this contract, they should do so in writing to the Department with certification documents included. A revised listing of all inspectors/testers utilized under the agreement will be provided for each such request in the format shown in Appendix A.

At the Department's request all materials testers will participate in an independent assurance program with the Department. This will constitute an annual evaluation of each tester by a Department Independent Assurance Tester for each test performed. The evaluation will be accomplished through split samples, which will be compared for testing tolerance conformance. It is the responsibility of the tester to comply with this requirement. Materials testers not proficient in their work will not be allowed to continue to test for the Department.

The Department reserves the right, to direct the assignment and the reassignment, of personnel as deemed necessary to provide services to meet the requirements of the Department.

The Department reserves the right to reject any Consultant Personnel at any time.

d. **Pre-cast Concrete Inspection:**

The Consultant shall be responsible for inspecting the precast/prestressed work, including loading prior to shipment and after delivery; and the production, hauling and placement of highway related materials to ensure compliance with the Project plans and specifications.

e. Materials Testing:

The Consultant shall be responsible for the following:

1. Field and/or plant testing of Soils-Aggregate Materials.
2. Plant production inspection and product testing of bituminous concrete.
3. Plant production inspection and product testing of Portland cement concrete.
4. Field inspection and testing of Portland cement concrete.
5. Plant inspection and testing of precast/prestressed concrete.
6. Construction inspection.

Construction inspection responsibilities include the direct observation, measurement and/or testing of ongoing or completed project work to ensure conformance with the project plans, contract provisions, standard plans, and standard specifications as amended. The Inspector shall complete and maintain field notebooks, sketches, test reports, daily reports, record plans and payment records as necessary to document the work and to provide a basis for payments to the Contractor. The Inspector must be familiar with the NHDOT Standard Specifications, knowledgeable in inspection practices and pertinent regulations, and capable of generating records according to Department guidelines.

Responsibilities for the Construction Inspector shall include, but are not necessarily limited to, the physical checking of materials and workmanship for one or more of the construction activities outlined below on the project. The Construction Inspector performs various material tests as required by specifications, measures dimensions, computes quantities and completes field notes. The Construction Inspector must be knowledgeable in inspection practices and pertinent regulations, and must be capable of generating records according to Department guidelines. These duties shall be performed under the direct control and guidance of the Department Supervisor.

The following is a partial list of construction activities associated with construction inspection services:

1. Inspection of the production, hauling and placement of highway related materials.
2. Inspection of soil or rock excavations, and soil or rock fill construction.
3. Inspection of roadway base and subbase construction, including checking line and grade and slope construction.
4. Inspection of drainage work including pipe and structure installation, ditchline grading, detention/retention area construction, etc.
5. Inspection of utility construction for sewer, water, electricity, gas, etc.
6. Inspection of temporary and permanent erosion control measures and structures.
7. Inspection of traffic signs, traffic pavement markings and symbols, and traffic signal installations.
8. Inspection of bridge and building demolition.
9. Inspection of paving, resurfacing and pavement repair.
10. Inspection of guardrail, fence and other linear barriers.
11. Inspection of land clearing and landscaping.
12. Inspection of bridge substructure, including foundation preparation work, and bridge superstructure work.
13. Inspection of non-bridge structures such as retaining walls, overhead signs, sound walls, sidewalks, etc.
14. Inspection of traffic control procedures and devices.
15. Inspection of erosion and sediment control Best Management Practices (BMP's).

Construction inspection includes administrative duties related to assisting Department personnel in administering and execution of the construction contract, and the inspection of multiple, simultaneously occurring construction activities using assigned personnel or consultant services. Daily reports and permanent project records shall be completed by the Construction Inspector, who shall exercise independent actions in administration of the contract, while working under the general supervision of the Department.

All tests are to be completed in accordance with the latest NHDOT, AASHTO, or ASTM Test Method as applicable, and the Department's Construction Manual. Testing of Construction Materials shall be performed at the project or plant site during the time billed. There will be no additional payment for the testing. The Consultant is responsible to insure that all acceptance testing assigned to be performed by the Consultant is done in accordance with the Minimum Testing Requirements for the Project. The Department will typically perform Independent Assurance testing. However, should this service be requested, the Consultant may not perform Independent Assurance testing on their own staff.

Sampling for project acceptance will be completed by the Consultant. Mix designs for Portland Cement and Bituminous Concrete will be approved by the Department's Bureau of Materials and Research.

The Consultant shall not provide any services for the Contractor and or materials suppliers on projects where they have employees working under this AGREEMENT. Furthermore, during the **Time Periods Charged** for work performed under this agreement the CONSULTANT inspector/testers shall not provide or bill for services to any other agency and/or company.

- f. Field testing facilities shall be provided by the Contractor or suppliers for the use of materials testing technicians, and/or plant inspectors as described under the pertinent items of the NHDOT Standard Specifications as amended.

- g. Equipment furnished by the CONSULTANT
Standard equipment includes hard hats, reflective vests, gloves, coveralls, safety glasses, hearing protection, thermometers, six-foot rules, hand levels and calculators. In addition, the Consultant shall provide the following equipment according to the required activity:

1. Mobile telephones – Assigned inspectors/technicians shall be equipped with mobile telephones. The Consultant will provide the Department with mobile telephone numbers at the time of their assignment.
2. Field and/or plant testing of Soils-Aggregate Materials – 16” (406-mm) Diameter #4 (4.75-mm) sieve; 70-lb. (32-kg) capacity platform scale, 0.01-lb. (0.005-kg) sensitivity; round-ended and square-ended shovels, and a crowbar.
3. Field and plant inspection and testing of Portland cement concrete and precast concrete products -- slump test set, AASHTO T-119; Type B air meter, AASHTO T-152; 70-lb. (32-kg) capacity platform scale, 0.01-lb. (0.005-kg) sensitivity; 5/8” (15-mm) diameter tamping rod, 24” (600-mm) long; shovel and squared trowel, 6” (150-mm) minimum.
4. Appropriately sized tamping rod for use in fabricating concrete cylinders.
5. Nuclear Density Gauges - A nuclear density gauge will be furnished for the density testing of soils and/or hot mixed asphalt pavements. Gauge users must be licensed to operate nuclear density gauges. The CONSULTANT is responsible to ensure that operators are in compliance with all State and Federal regulations for the use of nuclear density gauges. At a minimum, nuclear gauges shall be calibrated at the frequency recommended by the manufacturers and leak tested at intervals not to exceed six (6) months. Calibration records and required safety checks, including current copies of leak tests, shall be kept with the nuclear gauge at all times.
6. Laptop Computers - Asphalt plant inspectors will be furnished with laptop computers compatible with NHDOT software for preparation and emailing of test reports to the NHDOT laboratory via high-speed internet service, provided by the asphalt suppliers at the plant laboratories.

The CONSULTANT shall furnish the equipment listed above at no additional cost to the DEPARTMENT. Scales and air meters shall be calibrated on a routine basis.

h. Consultant Laboratory Testing

Testing under this provision is to supplement the Department's Laboratory testing program and shall be performed at the request of the Department. Each test listed below shall be performed at an AASHTO Accredited Laboratory and shall be on a cost-per-test basis. Test results shall be provided to the requester of the service via telephone or fax within twenty-four (24) hours, or within an agreed-to period, from time of sample delivery. Test results shall be reported on Department forms by mail within forty-eight (48) hours of the test completion.

<u>Test Description</u>	<u>Test Method</u>
Concrete Cylinder Strength	AASHTO T 22
Coarse Aggregate Gradation	AASHTO T 27
Fine Aggregate Gradation	AASHTO T 27
Maximum Dry Density of Soil	AASHTO T 99
Material finer than #200 Sieve in Mineral Aggregate By Washing	AASHTO T11

Other tests may be added under this contract at agreed prices.

Additionally, each laboratory tester will be required to participate in an Independent Assurance Testing Program with the Department on an annual basis. This would consist of either an observation of each test by a Department Independent Assurance Tester or a split sample for each test. Split samples would involve each party testing a portion of the same sample, followed by a comparison of results. Testers who do not meet the Department's proficiency criteria for the tests specified will not be qualified to perform work for the Department.

i Documentation:

The Consultant shall be experienced in construction materials inspection/tests/documentation and reporting.

The Consultant shall complete, maintain, and keep separate, distinct records and files for each construction Project as directed by the ENGINEER. Standard Department forms shall be used.

The Consultant shall maintain an individual inspector's diary, as directed by the ENGINEER, which shall record the progress of the inspector's work.

The consultant shall prepare and submit two copies of a report for all pre-cast/pre-stress inspection assignments, which shall include test results, inspector's daily log, materials reports, shop drawings, placement and curing information and all other information pertinent to the quality of the product.

The Consultant agrees to cooperate fully with the Department and to maintain and protect complete construction records at the project field office and/or the Bureau of Materials & Research for review, use and approval at all times. These records, upon request, shall be transferred to the custody of the Department when the Consultant has completed the assignment.

The Consultant shall be available to assist the Department in the processing of any Project claims or lawsuits until the Contractor's acceptance of the final estimate.

C. NONE

D. WORK SCHEDULE

The CONSULTANT shall complete the services without delay unless unable to do so for causes not under its control.

Consultants employed under the terms of this AGREEMENT shall be available to begin work within one week of the receipt of a Project Assignment Letter.

Close coordination between the CONSULTANT and the DEPARTMENT shall be maintained at all times.

A project conference between the Department Supervisor and the Consultant may be required as determined by the Engineer before the assigned work is started to insure that the CONSULTANT is in compliance with the DEPARTMENT's requirements. Lead time required to perform all necessary checks prior to the start of operations shall be agreed on.

E. BLANK

F. DATE OF COMPLETION

The date of completion for technical services rendered under this agreement shall be December 31, 2017.

ARTICLE II - COMPENSATION OF CONSULTANT FOR SPECIFIC RATES OF PAY

The work required under the terms of this AGREEMENT shall be paid for in accordance with the following schedule and stipulations:

A. GENERAL FEE

The total cost of all work, expenses and profit under this AGREEMENT shall not exceed \$400,000.00. The CONSULTANT shall note that no payments will be made for work, expenses or profit, whether authorized or not, exceeding the total amount.

The contract bid is only an estimate to establish unit prices and the actual work may vary with no change in unit prices for the duration of this agreement.

B. HOURLY RATES

Total hourly rates as shown in the bid documents, which include all charges attributed to direct costs, fringe benefits, payroll taxes, overhead and profit shall be used in billing for all work done under this AGREEMENT. The hourly direct labor rate for all classifications shall be as bid for the duration of this contract. Consultant employees shall be compensated a minimum of 4 hours per day for each day worked. The price for straight time per Consultant employee per hour shall be for the first forty (40) hours worked including paid travel time per week under this agreement. Overtime will be paid per Consultant employee per hour for the remaining hours in any week. Time Billed shall be to the nearest 1/4 hour. The overtime rate shall be 1 ½ times the straight time hourly rate.

Payment for preparation of pre-cast/pre-stress inspection reports will be paid under item 1.1, Precast/Prestressed Concrete Inspection.

C. HOLIDAYS

Consultant will be compensated for work performed on holidays as defined in the NHDOT Standard Specifications at 1 ½ times the straight time hourly rate.

D. LABORATORY TESTS

Payment for laboratory testing done in the Consultant's laboratory, Under Article I B Scope of Work Section 3, i, will be at the rate as bid. The fee includes labor, equipment, and presentation of the results on NHDOT forms.

E. BLANK

F. DIRECT EXPENSES

Cost items (direct expenses) such as telephone, tolls, sepia reproduction and xerographic reproduction shall be billed at actual cost. The reimbursable costs for mileage shall be as shown in The General Services Administration (GSA), Regulation 41 CFR Part 301-4. The reimbursable costs for lodging shall be the actual expense as shown by receipt, but shall not exceed that allowed in the Federal Acquisition Regulations (Subpart 31.205-46) and in the Federal Travel Regulations. The reimbursable costs for meals shall be \$35.00 per diem. Mileage and per diem costs shall be subject to approval by the DEPARTMENT. In-state travel will be compensated at the actual mileage traveled by the most direct route.

Travel from out of state to a work site within state will be paid for at the actual mileage traveled from the state line to the work site by the most direct route.

Out of state inspection/testing for precast/prestressed facilities will be paid for at the actual mileage traveled by the most direct route.

For testing at asphalt plants, concrete plants or aggregate sources located out of state, the following will apply. If traveling from in state, the actual mileage by the most direct route will be paid. If traveling from out of state the lesser of the following will apply; a) actual distance traveled by the most direct route or b) computed mileage from Concord, NH to the facility by the most direct route.

Any dispute on the amount of mileage traveled will be resolved using the New Hampshire Mileage Reference Map, prepared by the NHDOT Bureau of Transportation Planning.

G. UPSET LIMITS

When assigning work for multiple days at distant locations, the Department may elect to pay the lesser of the cost: 1) of repeated overnight travel and mileage, or 2) of meals and lodging. The determination will be made by estimating the value of travel time (perhaps at an overtime rate) and mileage reimbursement and comparing against the value of lodging and meal per diem. The following formulas will be used to make the comparison.

Travel Option: $[\text{Round-trip Mileage} \times \text{Mileage Rate}] + [(\text{Travel Miles} / 50\text{MPH} - 1) \times \text{Labor Rate}] =$

Lodging Option: $\text{Lodging} + \text{Per Diem} =$

H. PAYMENTS

Payments on account for services rendered under this AGREEMENT will be made by the DEPARTMENT, based on a completely itemized, project-by-project bill submitted on a monthly basis by the CONSULTANT. Project bills shall list the project name, number, and Department Supervisor's name and signature. In addition, a monthly schedule shall be submitted for all employees utilized under this agreement, with a chronological listing of days worked, accompanied by the project number(s) and hours charged to each.

All billing shall be submitted within sixty (60) days from the date the service was rendered. Invoices submitted after the sixty (60) day time period will not be paid. Receipts for lodging and all other costs (excluding meals allowance) are required. Credit card receipts for lodging are not acceptable.

I. RECORDS - REPORTS

The CONSULTANT shall maintain adequate cost records for all direct expenses billed under this AGREEMENT. All records, photographs and other evidence pertaining to cost incurred shall be made available at all reasonable times during the AGREEMENT period and for three (3) years from the date of final voucher payment for examination by the STATE, Federal Highway Administration, or other authorized representatives of the Federal Government, and copies thereof shall be furnished if requested. Applicable cost principles are contained in the Federal Acquisition Regulation (FAR) in Title 48 of the Code of Federal Regulations (Subpart 31.2 and Subpart 31.105).

ARTICLE III - GENERAL PROVISIONS

- A. HEARINGS, ETC.**
(This section blank)

- B. CONTRACT PROPOSALS**
(This section blank)

ARTICLE IV

ARTICLE IV - SPECIAL PROVISIONS

A. STANDARD SPECIFICATIONS

The CONSULTANT agrees to follow the provisions of the Standard Specifications for Road and Bridge Construction and Construction Manual of the State of New Hampshire, Department of Transportation, and the Standard Specifications for Highway Bridges of the American Association of State Highway and Transportation Officials and all applicable AASHTO and ASTM standard test methods and amendments thereto, or other professional codes or standards applicable to the services to be performed under this AGREEMENT.

B. REVIEW BY STATE AND FEDERAL HIGHWAY ADMINISTRATION - CONFERENCES - INSPECTIONS

It is mutually agreed that all portions of the work covered by this AGREEMENT shall be subject to the inspection of duly-authorized representatives of the STATE and Federal Highway Administration, United States Department of Transportation, at such time or times as the STATE or Federal Highway Administration deems appropriate.

The location of the office where the work will be available for inspection by STATE and Federal Highway Administration representatives is 11 SUNDIAL AVE, Suite 401 N, MANCHESTER, NH.

It is further mutually agreed that any party, including the duly-authorized representatives of the Federal Highway Administration, may request and obtain conferences, visits to the site, and inspection of the work at any reasonable time.

C. EXTENT OF CONTRACT

1. Contingent Nature of AGREEMENT

Notwithstanding anything in this AGREEMENT to the contrary, all obligations of the STATE, including, without limitation, the continuance of payments, are contingent upon the availability and continued appropriation of funds, and in no event shall the STATE be liable for any payments in excess of such available appropriated funds. In the event of a reduction or termination of those funds, the STATE shall have the right to terminate this AGREEMENT.

2. Termination

The DEPARTMENT shall have the right at any time, and for any cause, to terminate the work required of the CONSULTANT by this AGREEMENT, by written notice of such termination

provided to the CONSULTANT by the DEPARTMENT, and, in the event of such a termination of this AGREEMENT, without fault on the part of the CONSULTANT, the CONSULTANT shall be entitled to compensation for all work theretofore satisfactorily performed, pursuant to this AGREEMENT, such compensation to be fixed, insofar as possible, based upon the work performed prior to termination. It shall be a breach of this AGREEMENT if the CONSULTANT shall fail to render timely the services required under this AGREEMENT, in accordance with sound professional principles and practices, to the reasonable satisfaction of the DEPARTMENT, or shall be in such financial condition as to be unable to pay its just debts as they accrue, or shall make an assignment for the benefit of creditors, or shall be involved in any proceeding, voluntary or involuntary, resulting in the appointment of a receiver or trustee over its affairs, or shall become dissolved for any cause. In the event of the happening of any one or more of the foregoing contingencies, or upon the substantial breach of any other provisions of this AGREEMENT by the CONSULTANT, its officers, agents, employee, and subconsultants, the DEPARTMENT shall have the absolute right and option to terminate this AGREEMENT forthwith, and, in addition, may have and maintain any legal or equitable remedy against the CONSULTANT for its loss and damages resulting from such breach or breaches of this AGREEMENT; provided, however, that as to all plans, drawings, tracings, estimates, specifications, reports, proposals, sketches, diagrams and calculations, together with all material and data theretofore furnished to the DEPARTMENT by the CONSULTANT, of a satisfactory nature in accordance with this AGREEMENT, which plans, drawings, tracings, etc., are of use to the DEPARTMENT, the CONSULTANT shall be entitled to a credit, based on the contract rate for the work so performed in a satisfactory manner and of use and benefit to the DEPARTMENT.

D. REVISIONS TO REPORTS, PLANS OR DOCUMENTS

The CONSULTANT shall perform such additional work as may be necessary to correct errors in the work required under the AGREEMENT, caused by errors and omissions by the CONSULTANT, without undue delays and without additional cost to the DEPARTMENT.

Furthermore, prior to final approval of plans, specifications, estimates, reports or documents by the DEPARTMENT, the CONSULTANT shall make such revisions of them as directed by the DEPARTMENT, without additional compensation therefore except as hereinafter provided:

1. If, after its written approval thereof, the DEPARTMENT shall require changes to the plans or documents that revise engineering or other factors specifically approved, thereby necessitating revisions of the contract plans or documents, or,
2. If, after approval by the DEPARTMENT of the final contract plans or documents, the CONSULTANT shall be ordered in writing by the DEPARTMENT to make revisions, or to perform services other than those necessary in order to adapt said plans, reports or documents to conditions observed during field inspections and encountered during construction; the CONSULTANT shall be entitled to compensation therefor in accordance with Article II, Section B, such compensation to be in addition to the fee specified in Article II, Section A, for its original work on the plans, reports or documents.

E. ADDITIONAL SERVICES

If additional services are performed by the CONSULTANT through its own acts, which are not usable or applicable to this project, the cost of such additional services shall not be reimbursable.

F. OWNERSHIP OF PLANS

All data, plans, drawings, tracings, estimates, specifications, proposals, sketches, diagrams, calculations, reports or other documents collected, prepared, or undertaken either manually or electronically by the CONSULTANT, under the provisions of this AGREEMENT, immediately shall become the property of the DEPARTMENT, and, when completed, shall bear the CONSULTANT'S endorsement. The CONSULTANT shall surrender to the DEPARTMENT, upon demand at any time, or submit to its inspection, any data, plan, drawing, tracing, estimate, specification, proposal, sketch, diagram, calculation, report or document which shall have been collected, prepared, or undertaken by the CONSULTANT, pursuant to this AGREEMENT, or shall have been hitherto furnished to the CONSULTANT by the DEPARTMENT. The CONSULTANT shall have the right, with the written approval of the DEPARTMENT, to use any of the data prepared by it and hitherto delivered to the DEPARTMENT at any later stage of the project contemplated by this AGREEMENT.

G. SUBLETTING

The CONSULTANT shall not sublet, assign or transfer any part of the CONSULTANT'S services or obligations under this AGREEMENT without the prior approval and written consent of the DEPARTMENT.

All subcontracts shall be in writing and those exceeding \$10,000 shall contain all provisions of this AGREEMENT, including "Certification of CONSULTANT/Subconsultant." A copy of each subcontract shall be submitted for the DEPARTMENT'S files.

H. GENERAL COMPLIANCE WITH LAWS, ETC.

The CONSULTANT shall comply with all Federal, STATE and local laws, and ordinances applicable to any of the work involved in this AGREEMENT and shall conform to the requirements and standards of STATE, municipal, railroad and utility agencies whose facilities and services may be affected by the construction of this project. The services shall be performed so as to cause minimum interruption to said facilities and services.

I. BROKERAGE

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT, to meet the staffing requirements of this Contract, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gift or any other consideration, contingent upon or resulting from the award or making of this Contract. For breach or violation of this warranty, the STATE shall have the right to annul this Contract without liability, or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

J. CONTRACTUAL RELATIONS

1. Independent Contractor

The CONSULTANT agrees that its relation to the STATE is as an independent contractor and not as an agent or employee of the STATE.

2. Claims and Indemnification

a. Non-Professional Liability Indemnification

The CONSULTANT agrees to defend, indemnify and hold harmless the STATE and all of its officers, agents and employees from and against any and all claims, liabilities or suits arising from (or which may be claimed to arise from) any (i) acts or omissions of the CONSULTANT or its subconsultants in the performance of this AGREEMENT allegedly resulting in property damage or bodily injury and/or (ii) misconduct or wrongdoing of the CONSULTANT or its subconsultants in the performance of this AGREEMENT.

b. Professional Liability Indemnification

The CONSULTANT agrees to defend, indemnify and hold harmless the STATE and all of its officers, agents and employees from and against any and all claims, liabilities or suits arising from (or which may be claimed to arise from) any negligent acts or omissions of the CONSULTANT or its subconsultants in the performance of professional services covered by this AGREEMENT.

- c. These covenants shall survive the termination of the AGREEMENT. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the STATE, which immunity is hereby reserved by the STATE.

3. Insurance

a. Required Coverage

The CONSULTANT shall, at its sole expense, obtain and maintain in force the following insurance:

1. Commercial or comprehensive general liability insurance including contractual coverage, for all claims of bodily injury, death or property damage, in policy amounts of not less than \$250,000 per occurrence and \$2,000,000 in the aggregate (STATE to be named as an additional insured); and
2. Comprehensive automobile liability insurance covering all motor vehicles, including owned, hired, borrowed and non-owned vehicles, for all claims of bodily injury, death or property damage, in policy amounts of not less than \$500,000 combined single limit; and
3. Professional liability (errors and omissions) insurance coverage of not less than \$2,000,000 in the aggregate. If coverage is claims made, the period to report claims shall extend for not less than three years from the date of substantial completion of the construction contract. No retention (deductible) shall be more than \$75,000; and
4. Workers' compensation and employer's liability insurance as required by law.

b. Proof of Insurance

The policies described in paragraph (a) of this section and Section G. shall be in the standard form employed in the STATE, issued by underwriters licensed or approved by the Department of Insurance of the STATE. Each policy shall contain a clause prohibiting

cancellation or modifications of the policy earlier than thirty (30) days after written notice thereof has been received by the STATE. The CONSULTANT shall provide to the STATE a certificate of insurance evidencing the required coverages and cancellation clause prior to submittal of the AGREEMENT to Governor and Council for approval and shall have a continuing duty to provide new certificates of insurance as the policies are amended or renewed.

4. No Third-Party Rights

It is not intended by any of the provisions of the AGREEMENT to make the public or any member thereof a third-party beneficiary of the AGREEMENT, or to authorize anyone not a party to this AGREEMENT to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of his Contract. The duties, obligations and responsibilities of the parties to this AGREEMENT with respect to third parties shall remain as imposed by law. No portion of this AGREEMENT shall be understood to be a waiver of the STATE'S sovereign immunity.

5. Construction of AGREEMENT

This AGREEMENT is executed in a number of counterparts, each of which is an original and constitutes the entire AGREEMENT between the parties. This AGREEMENT shall be construed according to the laws of the STATE. Any claim brought under or relative to this agreement shall be brought in the Courts of the State.

K. AGREEMENT MODIFICATION

The assignment of the CONSULTANT, generally established by the scope of work in this AGREEMENT, shall not be modified in any way without prior approval of the Governor and Council. If any part of this AGREEMENT is held unenforceable for any reason, the remaining portion of this AGREEMENT shall remain in full force and effect, and shall be carried out in a manner that is consistent with the intentions of the parties hereto.

L. EXTENSION OF COMPLETION DATE(S)

If, during the course of the work, the CONSULTANT anticipates that he cannot comply with one or more of the completion dates specified in this agreement, it shall be the CONSULTANT'S responsibility to notify the Department in writing at least thirty (30) days prior to the completion date(s) in question. The CONSULTANT shall state the reasons that a completion date(s) cannot be met and request a revised date(s) for consideration by the DEPARTMENT.

M. EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES

The CONSULTANT shall comply with Title VI of the Civil Rights Act of 1964, as amended. Accordingly, 49 CFR 21 through Appendix H and 23 CFR 710.405(b) and, for contracts in excess of \$10,000, Executive Order 11246 entitled "Equal Employment Opportunity," as amended by Executive Order 11375 and as supplemented in Department of Labor regulations (41 CFR Part 60), shall be applicable to this AGREEMENT and any subagreements hereunder.

N. DISADVANTAGED BUSINESS ENTERPRISE POLICY AGREEMENT REQUIREMENTS

1. Policy. It is the policy of the United States Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 (Amended) shall have the maximum opportunity to participate in the performance of agreements financed in whole or in part with Federal funds. Consequently, the DBE requirements of 49 CFR Part 23 (Amended) apply to this AGREEMENT.
2. Disadvantaged Business Enterprise (DBE) Obligation. The STATE and its Consultants agree to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 (Amended) have the maximum opportunity to participate in the performance of agreements and any subagreements financed in whole or in part with Federal funds. In this regard, the STATE and its Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 (Amended) to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform work specified in the agreements. The STATE and its Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT - assisted agreements.
3. Sanctions for Non-Compliance. The CONSULTANT is hereby advised that failure of the CONSULTANT, or any Subconsultant performing work under this AGREEMENT, to carry out the requirements set forth in paragraphs 1 and 2 above shall constitute a breach of agreement and, after

the notification of the DEPARTMENT, may result in termination of this AGREEMENT by the STATE or such remedy as the STATE deems appropriate.

O. DOCUMENTATION

The CONSULTANT shall document the results of the work to the satisfaction of the DEPARTMENT and the Federal Highway Administration. This shall include preparation of progress reports, plans, specifications and estimates and similar evidences of attainment of objectives called for in this AGREEMENT.

P. CLEAN AIR AND WATER ACTS

If the amount of the AGREEMENT or subcontract thereunder exceeds \$100,000, the CONSULTANT or subconsultant shall comply with applicable standards, orders or requirements issued under Section 306 of the Federal Clean Air Act (43 U.S.C. 1857(h)), Section 508 of the Federal Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR Part 15), which prohibit the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA List of Violating Facilities. The CONSULTANT or subconsultant shall report violations to the FHWA and to the U. S. Environmental Protection Agency Assistant Administrator for Enforcement (EN-329).

ATTACHMENTS

**CERTIFICATION WITH REGARD TO THE PERFORMANCE OF PREVIOUS
CONTRACTS OR SUBCONTRACTS SUBJECT TO THE EQUAL OPPORTUNITY
CLAUSE AND THE FILING OF REQUIRED REPORTS.**

The CONSULTANT , proposed subcontractor _____, hereby certifies that he has , has not _____, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Order 11246 and that it has , has not _____, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Terron
(Company)
By: [Signature]
Senior Vice President
(Title)

Date: 10/28/2015

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b)(1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Contract Compliance, U.S. Department of Labor.

(Revised: June 1980) **NOTE: TO BE COMPLETED BY CONSULTANT WHEN SIGNING AGREEMENT.**

THIS PAGE INTENTIONALLY BLANK

CERTIFICATION OF CONSULTANT/SUBCONSULTANT

I hereby certify that I am the Senior Vice President and duly-authorized representative of the firm of TERRACON, and that neither I nor the above firm I here represent has:

- (a) employed or retained for a commission, percentage, brokerage, contingent fee, or other considerations, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Contract,
- (b) agreed, as an express or implied condition for obtaining this Contract, to employ or retain the services of any firm or person in connection with carrying out the Contract, or
- (c) paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the Contract:

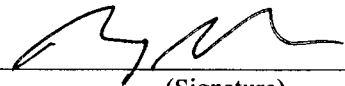
I/WE do also, under penalty of perjury under the laws of the United States, certify that, except as noted below, the company or any person associated therewith in the capacity of (owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of Federal funds): (a) is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency; (b) has not been suspended, debarred, voluntarily excluded or determined ineligibility by any Federal agency within the past three years; (c) does not have a proposed debarment pending; and (d) has not been indicated, convicted or have a civil judgment rendered against (it) by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

except as here expressly stated (if any):

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate below to whom it applied, the initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

I acknowledge that this certificate is to be furnished to the State Department of Transportation and the Federal Highway Administration, U.S. Department of Transportation, in connection with this Contract involving participation of Federal-aid highway funds, and is subject to applicable State and Federal laws, both criminal and civil.

10/28/2015
(Date)


(Signature)

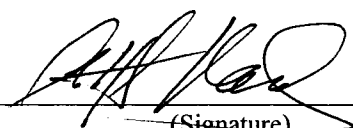
CERTIFICATION OF STATE DEPARTMENT OF TRANSPORTATION

I hereby certify that I am the Director of Project Development of the Department of Transportation of the State of New Hampshire, and the above consulting firm or its representatives has not been required, directly or indirectly as an express or implied condition in connection with obtaining or carrying out this contract.

- (a) employ or retain, or agree to employ or retain, any firm or person, or
- (b) pay, or agree to pay, to any firm, person, or organization, any fee, contribution, donation, or consideration of any kind:

except as here expressly stated (if any):

11/9/15
(Date)


(Signature)

**CERTIFICATION FOR FEDERAL-AID CONTRACTS
EXCEEDING \$100,000 IN FEDERAL FUNDS**

The prospective participant certifies, by signing and submitting this agreement, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower-tier subcontracts which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

**New Hampshire Department of Transportation
 Special Statewide Materials Inspection and Testing Consulting Agreement
 Special Statewide Project No.**

APPROVED CLASSIFICATION SCHEDULE

Consultant Name: _____
 Street Address: _____
 City, State, Zip Code: _____

Employee	Employee Classification					
	1	2	3	4	5	6

Key to Employee Classification

1. Precast/Prestressed Concrete Inspector/Tester
2. Soils Testing Technician
3. Bituminous Concrete Plant Inspector/Tester
4. Field and Plant Concrete Inspector/Tester
5. Construction Inspector

Submitted by: _____
 (Typed Name)

Accepted by: _____
 Chief of Materials Technology
 Bureau of Materials and Research

SEAL AND SIGNATURE PAGE

IN WITNESS WHEREOF the parties hereto have executed this AGREEMENT on the day and year first above written.

Consultant

WITNESSES TO THE CONSULTANT:

By: Karen L. Healey

Dated: 10/28/2015

CONSULTANT

By: [Signature]
Senior Vice President

Dated: 10/28/2015



Department of Transportation

THE STATE OF NEW HAMPSHIRE

By: [Signature]

For DOT Commissioner

Dated: 11/9/15

Attorney General

This is to certify that the above Agreement has been reviewed by this office, and is approved as to form and execution.

Dated: 11/25/15

By: [Signature]
Assistant Attorney General

Secretary of State

This is to certify that the GOVERNOR AND COUNCIL on _____ approved this Agreement.

Dated: _____

Attest:
By: _____
Secretary of State

Rev: November, 2003

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

Proposal of Terracon Consultants, Inc.

NAME

77 Sundial Avenue, Suite 401W, Manchester, NH 03103

ADDRESS

to furnish and deliver all materials and to perform all work in accordance with the Contract of the State of New Hampshire, Department of Transportation for materials testing and construction services on which proposals will be received until 2:00 o'clock P.M., Prevailing Time on the 23rd day of September, 2015. Said project being situated as follows:

Statewide

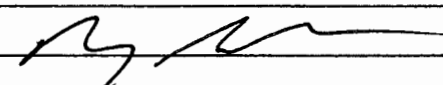
N.H. Department of Transportation
John O. Morton Building
Room 130, Contract Section
P. O. Box 483
Concord, NH 03302-0483

Commissioner:

In accordance with the advertisement of the Department of Transportation inviting proposals for the project hereinbefore named and in conformity with the Plans and Specifications on file in the office of the Department of Transportation, I/WE hereby certify that I AM/WE ARE the only person, or persons, interested in this proposal as principals; that this proposal is made without collusion with any person, firm or corporation; that an examination has been made of the Plans, of the Standard Specifications, of the Standard Plans Book, of the Proposal, and applicable addendums, including but not restricted to the Special Attentions, Supplemental Specifications, and Special Provisions attached thereto, and also that an examination has been made of the site of the work; and I, or we, propose to furnish all necessary machinery, equipment, tools, labor and other means of construction, and to furnish all materials specified in the manner and at the time prescribed; and understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all quantities of work whether increased or decreased are to be performed at the following prices:

CONTRACTOR'S BID SHEET
NHDOT Project 13967-V, 13967-W, 13967-X
Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID IN WORDS	UNIT PRICES		AMOUNT	
			DOLLARS	CENTS	DOLLARS	CENTS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection AT _____ _____ Forty-Five DOLLARS PER HR	\$45	00	\$135,000	00
1.2	1000 hr.	Bituminous Testing and Inspection AT _____ _____ Thirty-Nine DOLLARS PER HR	\$39	00	\$39,000	00
1.3	3500 hr.	Concrete/Soils Testing and Inspection AT _____ _____ Thirty-Nine DOLLARS PER HR	\$39	00	\$136,500	00
1.4	500 hr.	Construction Inspector AT _____ _____ Forty-Five DOLLARS PER HR	\$45	00	\$22,500	00
2.1	100 ea.	Concrete Cylinder Strength AT _____ _____ Eight DOLLARS PER EA	\$8	00	\$800	00

2.2	25 ea.	Coarse Aggregate Gradation AT _____ _____ Thirty DOLLARS PER EA	\$30	00	\$750	00
2.3	25 ea.	Fine Aggregate Gradation AT _____ _____ Thirty DOLLARS PER EA	\$30	00	\$750	00
2.4	25 ea.	Maximum Dry Density of Soil AT _____ _____ Sixty-Five DOLLARS PER EA	\$65	00	\$1,625	00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing AT _____ _____ Thirty DOLLARS PER EA	\$30	00	\$750	00
		Grand Total \$Three Hundred and Thirty-Seven Thousand, Six Hundred and Seventy Five Dollars			\$337,675	00
Company:	Terracon Consultants, Inc.					
Signature:						
Date:						

It is further proposed:

To execute the Contract and begin work within 10 days from the date specified in the "Notice to Proceed" and to prosecute said work so as to complete the Statewide materials testing and construction inspection services agreement and its appurtenances on or before December 31, 2017

To guarantee all of the work performed under this Contract to be done in accordance with the Specifications and in good and workmanlike manner, and to renew or repair any work which may be rejected, due to defective materials or workmanship, prior to final completion and acceptance of the project.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions.

(1). The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. (2). Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Contract Affidavit

I/We declare under penalty of perjury under the laws of the United States and the State of New Hampshire that, in accordance with the provisions of Title 23 USC, Section 112(c), have not either directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this Proposal.

Dated: _____

(If a firm or individual)

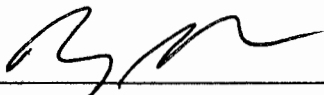
Signature of Bidder _____

By _____

Address of Bidder _____

Names and addresses of members of the Firm:

(If a Corporation)

Signature of Bidder  _____

Title Sr. V.P./Officer/ N.E. Division Manager _____

By Ryan R. Roy _____

Business Address 77 Sundial Ave, Suite 401 W, Manchester, NH 03103 _____

Incorporated under the laws of the State of Delaware

Names of Officers:

President	David R. Gaboury	(see below)
	Name	Address
Secretary	E. Lynn Price	(see below)
	Name	Address
Treasurer	Donald J. Vrana	(see below)
	Name	Address

Corp Address: 1800-West 106th Street, Suite 300,
Olathe, KS 66061

State of New Hampshire Department of State

CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that Terracon Consultants, Inc. a(n) Delaware corporation, is authorized to transact business in New Hampshire and qualified on December 21, 2007. I further certify that all fees and annual reports required by the Secretary of State's office have been received.



In TESTIMONY WHEREOF, I hereto
set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 29th day of October, A.D. 2015

A handwritten signature in cursive script, appearing to read "William M. Gardner".

William M. Gardner
Secretary of State

TERRACON CONSULTANTS, INC.

CERTIFICATE OF VOTE

I, Douglas D. Loveridge, hereby certify that I am the duly elected Assistant Corporate Secretary of Terracon Consultants, Inc. I hereby certify the following is a true copy of a vote taken at a meeting of the Board of Directors of the Corporation, duly called and held on December 9, 2014, at which a quorum of the Board was present and voting.

VOTED:

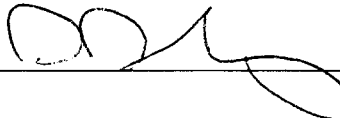
The purpose of this meeting was to name those persons within the corporation who are authorized to sign documents on behalf of the corporation.

RESOLVED, that the following person is authorized to sign, as indicated: Ryan R. Roy, Senior Vice President, for all purposes, including the Materials Testing and Construction Inspection Services (Project 13967) and all document authors for the purpose of technical reports.

I hereby certify that said vote has not been amended or repealed and remains in full force and effect as of October 28, 2015, and that Ryan R. Roy is a duly elected Senior Vice President, of this corporation.

Date: October 28, 2015

Attest:



Assistant Corporate Secretary





CERTIFICATE OF LIABILITY INSURANCE

1/1/2016

DATE (MM/DD/YYYY)
10/28/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME: PHONE (A/C, No. Ext):		FAX (A/C, No):
	E-MAIL ADDRESS:		
INSURED 1312892 TERRACON CONSULTANTS, INC. 77 SUNDIAL AVE, STE 401 W MANCHESTER, NH 03103	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : AIG Specialty Insurance Company		26883
	INSURER B : Travelers Property Casualty Co of America		25674
	INSURER C : The Travelers Indemnity Company		25658
	INSURER D : Lexington Insurance Company		19437
	INSURER E :		
INSURER F :			

COVERAGES TERCO01 **CERTIFICATE NUMBER:** 13739462 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTRL LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	Y	N	PROP3779274	1/1/2015	1/1/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	N	N	TC2J-CAP-131J3858 TJBAP131J3895	1/1/2015 1/1/2015	1/1/2016 1/1/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	TRKUB131J384615 (AZ,MA,WI) TC2KUB131J374215 (AOS) TC2KUB131J374215 (CA)	1/1/2015 1/1/2015 1/1/2015	1/1/2016 1/1/2016 1/1/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	PROFESSIONAL LIABILITY	N	N	26030216	1/1/2015	1/1/2016	\$2,000,000 EA CLAIM & \$2,000,000 IN THE ANNUAL AGGREGATE.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: PROJECT #J1151174; VARIOUS PROJECTS UNDER THE AGREEMENT FOR TECHNICAL SERVICES. NDHOT PROJECTS 13967-W. 13967-W. THE STATE OF NEW HAMPSHIRE IS AN ADDITIONAL INSURED AS RESPECTS TO GENERAL LIABILITY, AS REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER 13739462 STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS AND RESEARCH 5 HAZEN DRIVE, P.O. BOX 483 CONCORD NH 03302-0483	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

AGREEMENT FOR TECHNICAL SERVICES

MATERIALS TESTING AND
CONSTRUCTION INSPECTION SERVICES

NHDOT PROJECTS 13967-X

CONTRACT DATES:
FROM GOVERNOR AND COUNCIL APPROVAL
TO DECEMBER 31, 2017

CONTRACT WITH: R.W. Gillespie & Associates, Inc.
86 Industrial Park Road, Suite 4
Saco, ME 04072

NH DOT CONTACT: Denis M. Boisvert
Bureau of Materials and Research
5 Hazen Drive, PO Box 483
Concord, NH 03302-0483
Telephone: (603)271-3151
Facsimile: (603)271-8700

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AGREEMENT FOR
MATERIALS INSPECTION
AND TESTING SERVICES

This AGREEMENT is made the 14 day of October
in the year of 2015 by and between the STATE OF NEW HAMPSHIRE, hereinafter referred to as the State, acting
by and through its COMMISSIONER OF THE DEPARTMENT OF TRANSPORTATION, hereinafter referred to
as the COMMISSIONER and DEPARTMENT, acting under Chapter 228 of the Revised Statutes Annotated, and
R.W. Gillespie & Associates, Inc., principal place of business at, 86 Industrial Park Road, Suite 4, Saco, ME 04072,
hereinafter referred to as the CONSULTANT.

ARTICLE I

In consideration of the undertaking of the parties hereinafter set forth, the Department hereby engages the Consultant, who agrees to render construction inspection, precast/prestressed inspection, concrete materials inspection, bituminous materials inspection, soil materials inspection, and materials testing services to the Department, which shall include, but not be restricted to, the following items, in accordance with conditions and terms hereinafter set forth:

ARTICLE I - DESCRIPTION OF TECHNICAL SERVICES RENDERED

A. GENERAL

The CONSULTANT agrees to render services to the DEPARTMENT including, but not restricted to tasks set forth in this Contract under B: Scope of Work in accordance with conditions and terms as hereinafter set forth. The provisions of ARTICLE I are considered an outline of the required work in a general manner and should not be construed as being a final detail list of all work required of the Consultant. The Consultant shall perform incidental items necessary to accomplish the work according to NHDOT Standard Specifications as amended and standard practices.

If during the life of this agreement there are testing and inspection services required which are not covered under the bid items, new items may be negotiated.

B: SCOPE OF WORK

1. DEFINITIONS

Consultant: An individual or firm, which will furnish construction inspection and/or materials testing services.

Project: The specific section of the highway together with all appurtenances to be constructed under the construction contract.

Project Assignment Letter: A letter outlining the specifics on a project, including such items as location, starting date, expected duration, and Department Supervisor.

Engineer: The Assistant Commissioner of the Department, who is responsible for engineering supervision of the construction, acting directly or through his/her duly authorized representatives.

Department Supervisor: The individual within the Department to whom the consultant's plant inspector/tester or materials inspector/tester reports directly.

Assignment: An ASSIGNMENT assigns a consultant to a project or multiple projects, outlines his/her duties and identifies the Department Supervisor.

Plant: Contractor's or supplier's place of manufacture of construction materials.

Construction Inspector Personnel who monitor and document contractor's work performed on Department construction projects for conformance with the specifications.

2. GENERAL DESCRIPTION

The Consultant, acting as an independent contractor, will serve to supplement the Department's staff in construction inspection, materials testing for precast/prestressed concrete, and inspection/testing of materials to be used in construction contracts in accordance with the Department's plans, specifications, standards, procedures and manuals.

The Department will assign the Consultant to the individual project or multiple projects requiring services.

The Consultant will perform construction inspection and testing of materials as directed by the Engineer. Inspection and materials testing for precast/prestressed items will typically be performed at the plant site and may also consist of inspecting products in transport. General inspection and testing of material may be at either a project or plant site. The Consultant will supply its own vehicles to provide the services outlined below for each project. For the protection of traffic, all vehicles used on the project shall be equipped with amber flashing lights or rotating lights visible from 360 degrees around the vehicle. The flashing light system shall be in continuous operation while the vehicle is on any part of the traveled lanes, shoulders or ramps

within the construction zone. All drivers of vehicles used on the project shall be furnished with written instructions concerning the manner of operation of these vehicles regarding traffic safety requirements. Specifically, these instructions shall warn against stopping on travel portions of the roadway, passing other vehicles, and using median crossovers. All work performed by consultants shall conform to all applicable NHDOT Local, State, and Federal Health and Safety Rules and Regulation.

3. DETAILED SCOPE OF WORK

a. Scope

This work consists of providing qualified personnel for construction inspection, materials inspection/testing of precast/prestressed concrete, hot asphalt mixes and the general inspection and testing of materials for highway and bridge construction projects as required by the Engineer.

This work will consist of services for individual projects or multiple projects throughout the State. Materials inspection/testing for precast/prestressed concrete occurs at many plant sites located outside of the state.

Inspectors/Testers may be utilized for other associated duties not specifically shown in this AGREEMENT, when requested by the Engineer.

Consultant laboratory testing shall be for materials delivered to an AASHTO Accredited Laboratory to be tested at Department request.

b. Term of Agreement

This Agreement period begins on the date of approval by the Governor and Council and ends on December 31, 2017.

c. Staffing

The Consultant's personnel assigned to a Plant or Project must have prior inspection and testing experience in the areas of work which they are to perform, and must possess the required certification for the type of inspection or materials testing being performed.

Personnel assigned to a project or plant will be subject to prior review and approval by the

Department. The Consultant will immediately notify the Department Supervisor and the Contractor of any workmanship or materials, which do not conform to specifications, and shall have no authority to direct the Contractor's operations.

Personnel, as defined below and as identified in the technical proposal, shall not be replaced on the project/plant without Department approval.

The Consultant shall provide sufficiently trained personnel to adequately and competently perform the requirements of this AGREEMENT. The Consultant's personnel assigned to a particular Project shall perform all work to the satisfaction of the Engineer. Any person employed by the Consultant who, in the opinion of the Engineer, does not perform his/her work in a proper and skillful manner or is intemperate or disorderly or for any other reason, shall be removed immediately at the written request of the Engineer. Any personnel so removed will not be eligible for work at any other project/plant.

The Consultant shall provide personnel available to work whatever schedule is directed by the Engineer. Inspectors/materials testers shall be directed to check in with the Department Supervisor at the start and end of each work day, unless otherwise directed by the Department Supervisor. This check-in will include telling the Department Supervisor the start of work time and end of work time for that day.

The Consultant shall provide trained personnel for the following classifications of work:

<u>CLASSIFICATION</u>	<u>MINIMUM QUALIFICATION</u>
Soils and Aggregate Testing Technician	NETTCP Soils and Aggregate Testing Certification
Bituminous Concrete Plant Inspector	NETTCP Hot mix asphalt plant technician certification
Pre-cast/Pre-stress Concrete Inspector	PCI Level II
Field and Plant Concrete Inspector	NETTCP Concrete Technician

Construction Inspector

Four years experience in construction inspection and in managing construction projects. Applicable certification as NETTCP Concrete Inspector, Hot Mix Asphalt Paving Inspector, Soils And Aggregate Inspector*

NETTCP - New England Transportation Technician Certification Program

PCI - Precast Concrete Institute

* Or other experience and education acceptable to the Department

The consultant shall be at the Project/Plant full-time or as otherwise authorized by the Engineer.

At the time of bidding, the consultant shall have a minimum of seven certified personnel, and shall maintain this level of staffing throughout the life of the contract. The consultant's personnel shall maintain a minimum of the following certifications:

1. One Precast/Prestress Concrete Inspector.
2. Two Soils and Aggregate Testing Technicians
3. One Bituminous Concrete Plant Inspector
4. Two Field and Plant Concrete Inspectors
5. One Construction Inspector

Failure to maintain this level of staffing may result in forfeiture of the contract.

Employment of Consultant personnel may be terminated at any time their services are no longer required. The Department reserves the right to reassign personnel to various projects as needed.

Compensation for time worked under terms of this AGREEMENT shall begin and end at a specified Project Office or materials production plant. Travel may be required. Travel time in excess of one hour per day will be paid for travel to all initial destinations, whether in state or out of state. Once at a work site, the time required to travel to another work site, to perform requested duties, will be paid. Travel and per diem policies are outlined in Article II.

The Consultant shall comply with all current Federal, State, and local laws and regulations while performing work for the Department.

All inspectors and materials testers must be prequalified by the Department prior to being utilized under this agreement. Copies of certification documents, home addresses for purpose of mileage charges, and experience summaries must be submitted for each inspector/tester being proposed by the Consultant three weeks prior to starting work each calendar year.

When the consultant proposes to add inspectors/testers in addition to those approved under this contract, they should do so in writing to the Department with certification documents included. A revised listing of all inspectors/testers utilized under the agreement will be provided for each such request in the format shown in Appendix A.

At the Department's request all materials testers will participate in an independent assurance program with the Department. This will constitute an annual evaluation of each tester by a Department Independent Assurance Tester for each test performed. The evaluation will be accomplished through split samples, which will be compared for testing tolerance conformance. It is the responsibility of the tester to comply with this requirement. Materials testers not proficient in their work will not be allowed to continue to test for the Department.

The Department reserves the right, to direct the assignment and the reassignment, of personnel as deemed necessary to provide services to meet the requirements of the Department.

The Department reserves the right to reject any Consultant Personnel at any time.

d. Pre-cast Concrete Inspection:

The Consultant shall be responsible for inspecting the precast/prestressed work, including loading prior to shipment and after delivery; and the production, hauling and placement of highway related materials to ensure compliance with the Project plans and specifications.

e. **Materials Testing:**

The Consultant shall be responsible for the following:

1. Field and/or plant testing of Soils-Aggregate Materials.
2. Plant production inspection and product testing of bituminous concrete.
3. Plant production inspection and product testing of Portland cement concrete.
4. Field inspection and testing of Portland cement concrete.
5. Plant inspection and testing of precast/prestressed concrete.
6. Construction inspection.

Construction inspection responsibilities include the direct observation, measurement and/or testing of ongoing or completed project work to ensure conformance with the project plans, contract provisions, standard plans, and standard specifications as amended. The Inspector shall complete and maintain field notebooks, sketches, test reports, daily reports, record plans and payment records as necessary to document the work and to provide a basis for payments to the Contractor. The Inspector must be familiar with the NHDOT Standard Specifications, knowledgeable in inspection practices and pertinent regulations, and capable of generating records according to Department guidelines.

Responsibilities for the Construction Inspector shall include, but are not necessarily limited to, the physical checking of materials and workmanship for one or more of the construction activities outlined below on the project. The Construction Inspector performs various material tests as required by specifications, measures dimensions, computes quantities and completes field notes. The Construction Inspector must be knowledgeable in inspection practices and pertinent regulations, and must be capable of generating records according to Department guidelines. These duties shall be performed under the direct control and guidance of the Department Supervisor.

The following is a partial list of construction activities associated with construction inspection services:

1. Inspection of the production, hauling and placement of highway related materials.
2. Inspection of soil or rock excavations, and soil or rock fill construction.
3. Inspection of roadway base and subbase construction, including checking line and grade and slope construction.
4. Inspection of drainage work including pipe and structure installation, ditchline grading, detention/retention area construction, etc.
5. Inspection of utility construction for sewer, water, electricity, gas, etc.
6. Inspection of temporary and permanent erosion control measures and structures.
7. Inspection of traffic signs, traffic pavement markings and symbols, and traffic signal installations.
8. Inspection of bridge and building demolition.
9. Inspection of paving, resurfacing and pavement repair.
10. Inspection of guardrail, fence and other linear barriers.
11. Inspection of land clearing and landscaping.
12. Inspection of bridge substructure, including foundation preparation work, and bridge superstructure work.
13. Inspection of non-bridge structures such as retaining walls, overhead signs, sound walls, sidewalks, etc.
14. Inspection of traffic control procedures and devices.
15. Inspection of erosion and sediment control Best Management Practices (BMP's).

Construction inspection includes administrative duties related to assisting Department personnel in administering and execution of the construction contract, and the inspection of multiple, simultaneously occurring construction activities using assigned personnel or consultant services. Daily reports and permanent project records shall be completed by the Construction Inspector, who shall exercise independent actions in administration of the contract, while working under the general supervision of the Department.

All tests are to be completed in accordance with the latest NHDOT, AASHTO, or ASTM Test Method as applicable, and the Department's Construction Manual. Testing of Construction Materials shall be performed at the project or plant site during the time billed. There will be no additional payment for the testing. The Consultant is responsible to insure that all acceptance testing assigned to be performed by the Consultant is done in accordance with the Minimum Testing Requirements for the Project. The Department will typically perform Independent Assurance testing. However, should this service be requested, the Consultant may not perform Independent Assurance testing on their own staff.

Sampling for project acceptance will be completed by the Consultant. Mix designs for Portland Cement and Bituminous Concrete will be approved by the Department's Bureau of Materials and Research.

The Consultant shall not provide any services for the Contractor and or materials suppliers on projects where they have employees working under this AGREEMENT. Furthermore, during the **Time Periods Charged** for work performed under this agreement the CONSULTANT inspector/testers shall not provide or bill for services to any other agency and/or company.

- f. Field testing facilities shall be provided by the Contractor or suppliers for the use of materials testing technicians, and/or plant inspectors as described under the pertinent items of the NHDOT Standard Specifications as amended.

- g. Equipment furnished by the CONSULTANT
Standard equipment includes hard hats, reflective vests, gloves, coveralls, safety glasses, hearing protection, thermometers, six-foot rules, hand levels and calculators. In addition, the Consultant shall provide the following equipment according to the required activity:

1. Mobile telephones – Assigned inspectors/technicians shall be equipped with mobile telephones. The Consultant will provide the Department with mobile telephone numbers at the time of their assignment.
2. Field and/or plant testing of Soils-Aggregate Materials – 16” (406-mm) Diameter #4 (4.75-mm) sieve; 70-lb. (32-kg) capacity platform scale, 0.01-lb. (0.005-kg) sensitivity; round-ended and square-ended shovels, and a crowbar.
3. Field and plant inspection and testing of Portland cement concrete and precast concrete products -- slump test set, AASHTO T-119; Type B air meter, AASHTO T-152; 70-lb. (32-kg) capacity platform scale, 0.01-lb. (0.005-kg) sensitivity; 5/8” (15-mm) diameter tamping rod, 24” (600-mm) long; shovel and squared trowel, 6” (150-mm) minimum.
4. Appropriately sized tamping rod for use in fabricating concrete cylinders.
5. Nuclear Density Gauges - A nuclear density gauge will be furnished for the density testing of soils and/or hot mixed asphalt pavements. Gauge users must be licensed to operate nuclear density gauges. The CONSULTANT is responsible to ensure that operators are in compliance with all State and Federal regulations for the use of nuclear density gauges. At a minimum, nuclear gauges shall be calibrated at the frequency recommended by the manufacturers and leak tested at intervals not to exceed six (6) months. Calibration records and required safety checks, including current copies of leak tests, shall be kept with the nuclear gauge at all times.
6. Laptop Computers - Asphalt plant inspectors will be furnished with laptop computers compatible with NHDOT software for preparation and emailing of test reports to the NHDOT laboratory via high-speed internet service, provided by the asphalt suppliers at the plant laboratories.

The CONSULTANT shall furnish the equipment listed above at no additional cost to the DEPARTMENT. Scales and air meters shall be calibrated on a routine basis.

h. Consultant Laboratory Testing

Testing under this provision is to supplement the Department's Laboratory testing program and shall be performed at the request of the Department. Each test listed below shall be performed at an AASHTO Accredited Laboratory and shall be on a cost-per-test basis. Test results shall be provided to the requester of the service via telephone or fax within twenty-four (24) hours, or within an agreed-to period, from time of sample delivery. Test results shall be reported on Department forms by mail within forty-eight (48) hours of the test completion.

<u>Test Description</u>	<u>Test Method</u>
Concrete Cylinder Strength	AASHTO T 22
Coarse Aggregate Gradation	AASHTO T 27
Fine Aggregate Gradation	AASHTO T 27
Maximum Dry Density of Soil	AASHTO T 99
Material finer than #200 Sieve in Mineral Aggregate By Washing	AASHTO T 11

Other tests may be added under this contract at agreed prices.

Additionally, each laboratory tester will be required to participate in an Independent Assurance Testing Program with the Department on an annual basis. This would consist of either an observation of each test by a Department Independent Assurance Tester or a split sample for each test. Split samples would involve each party testing a portion of the same sample, followed by a comparison of results. Testers who do not meet the Department's proficiency criteria for the tests specified will not be qualified to perform work for the Department.

i Documentation:

The Consultant shall be experienced in construction materials inspection/tests/documentation and reporting.

The Consultant shall complete, maintain, and keep separate, distinct records and files for each construction Project as directed by the ENGINEER. Standard Department forms shall be used.

The Consultant shall maintain an individual inspector's diary, as directed by the ENGINEER, which shall record the progress of the inspector's work.

The consultant shall prepare and submit two copies of a report for all pre-cast/pre-stress inspection assignments, which shall include test results, inspector's daily log, materials reports, shop drawings, placement and curing information and all other information pertinent to the quality of the product.

The Consultant agrees to cooperate fully with the Department and to maintain and protect complete construction records at the project field office and/or the Bureau of Materials & Research for review, use and approval at all times. These records, upon request, shall be transferred to the custody of the Department when the Consultant has completed the assignment.

The Consultant shall be available to assist the Department in the processing of any Project claims or lawsuits until the Contractor's acceptance of the final estimate.

C. NONE

D. WORK SCHEDULE

The CONSULTANT shall complete the services without delay unless unable to do so for causes not under its control.

Consultants employed under the terms of this AGREEMENT shall be available to begin work within one week of the receipt of a Project Assignment Letter.

Close coordination between the CONSULTANT and the DEPARTMENT shall be maintained at all times.

A project conference between the Department Supervisor and the Consultant may be required as determined by the Engineer before the assigned work is started to insure that the CONSULTANT is in compliance with the DEPARTMENT's requirements. Lead time required to perform all necessary checks prior to the start of operations shall be agreed on.

E. BLANK

F. DATE OF COMPLETION

The date of completion for technical services rendered under this agreement shall be December 31, 2017.

ARTICLE II - COMPENSATION OF CONSULTANT FOR SPECIFIC RATES OF PAY

The work required under the terms of this AGREEMENT shall be paid for in accordance with the following schedule and stipulations:

A. GENERAL FEE

The total cost of all work, expenses and profit under this AGREEMENT shall not exceed \$300,000.00. The CONSULTANT shall note that no payments will be made for work, expenses or profit, whether authorized or not, exceeding the total amount.

The contract bid is only an estimate to establish unit prices and the actual work may vary with no change in unit prices for the duration of this agreement.

B. HOURLY RATES

Total hourly rates as shown in the bid documents, which include all charges attributed to direct costs, fringe benefits, payroll taxes, overhead and profit shall be used in billing for all work done under this AGREEMENT. The hourly direct labor rate for all classifications shall be as bid for the duration of this contract. Consultant employees shall be compensated a minimum of 4 hours per day for each day worked. The price for straight time per Consultant employee per hour shall be for the first forty (40) hours worked including paid travel time per week under this agreement. Overtime will be paid per Consultant employee per hour for the remaining hours in any week. Time Billed shall be to the nearest 1/4 hour. The overtime rate shall be 1 ½ times the straight time hourly rate.

Payment for preparation of pre-cast/pre-stress inspection reports will be paid under item 1.1, Precast/Prestressed Concrete Inspection.

C. HOLIDAYS

Consultant will be compensated for work performed on holidays as defined in the NHDOT Standard Specifications at 1 ½ times the straight time hourly rate.

D. LABORATORY TESTS

Payment for laboratory testing done in the Consultant's laboratory, Under Article I B Scope of Work Section 3, i, will be at the rate as bid. The fee includes labor, equipment, and presentation of the results on NHDOT forms.

E. BLANK

F. DIRECT EXPENSES

Cost items (direct expenses) such as telephone, tolls, sepia reproduction and xerographic reproduction shall be billed at actual cost. The reimbursable costs for mileage shall be as shown in The General Services Administration (GSA), Regulation 41 CFR Part 301-4. The reimbursable costs for lodging shall be the actual expense as shown by receipt, but shall not exceed that allowed in the Federal Acquisition Regulations (Subpart 31.205-46) and in the Federal Travel Regulations. The reimbursable costs for meals shall be \$35.00 per diem. Mileage and per diem costs shall be subject to approval by the DEPARTMENT. In-state travel will be compensated at the actual mileage traveled by the most direct route.

Travel from out of state to a work site within state will be paid for at the actual mileage traveled from the state line to the work site by the most direct route.

Out of state inspection/testing for precast/prestressed facilities will be paid for at the actual mileage traveled by the most direct route.

For testing at asphalt plants, concrete plants or aggregate sources located out of state, the following will apply. If traveling from in state, the actual mileage by the most direct route will be paid. If traveling from out of state the lesser of the following will apply; a) actual distance traveled by the most direct route or b) computed mileage from Concord, NH to the facility by the most direct route.

Any dispute on the amount of mileage traveled will be resolved using the New Hampshire Mileage Reference Map, prepared by the NHDOT Bureau of Transportation Planning.

G. UPSET LIMITS

When assigning work for multiple days at distant locations, the Department may elect to pay the lesser of the cost: 1) of repeated overnight travel and mileage, or 2) of meals and lodging. The determination will be made by estimating the value of travel time (perhaps at an overtime rate) and mileage reimbursement and comparing against the value of lodging and meal per diem. The following formulas will be used to make the comparison.

Travel Option: $[\text{Round-trip Mileage} \times \text{Mileage Rate}] + [(\text{Travel Miles} / 50\text{MPH} - 1) \times \text{Labor Rate}] =$

Lodging Option: $\text{Lodging} + \text{Per Diem} =$

H. PAYMENTS

Payments on account for services rendered under this AGREEMENT will be made by the DEPARTMENT, based on a completely itemized, project-by-project bill submitted on a monthly basis by the CONSULTANT. Project bills shall list the project name, number, and Department Supervisor's name and signature. In addition, a monthly schedule shall be submitted for all employees utilized under this agreement, with a chronological listing of days worked, accompanied by the project number(s) and hours charged to each.

All billing shall be submitted within sixty (60) days from the date the service was rendered. Invoices submitted after the sixty (60) day time period will not be paid. Receipts for lodging and all other costs (excluding meals allowance) are required. Credit card receipts for lodging are not acceptable.

I. RECORDS - REPORTS

The CONSULTANT shall maintain adequate cost records for all direct expenses billed under this AGREEMENT. All records, photographs and other evidence pertaining to cost incurred shall be made available at all reasonable times during the AGREEMENT period and for three (3) years from the date of final voucher payment for examination by the STATE, Federal Highway Administration, or other authorized representatives of the Federal Government, and copies thereof shall be furnished if requested. Applicable cost principles are contained in the Federal Acquisition Regulation (FAR) in Title 48 of the Code of Federal Regulations (Subpart 31.2 and Subpart 31.105).

ARTICLE III - GENERAL PROVISIONS

- A. HEARINGS, ETC.**
(This section blank)

- B. CONTRACT PROPOSALS**
(This section blank)

ARTICLE IV

ARTICLE IV - SPECIAL PROVISIONS

A. STANDARD SPECIFICATIONS

The CONSULTANT agrees to follow the provisions of the Standard Specifications for Road and Bridge Construction and Construction Manual of the State of New Hampshire, Department of Transportation, and the Standard Specifications for Highway Bridges of the American Association of State Highway and Transportation Officials and all applicable AASHTO and ASTM standard test methods and amendments thereto, or other professional codes or standards applicable to the services to be performed under this AGREEMENT.

B. REVIEW BY STATE AND FEDERAL HIGHWAY ADMINISTRATION - CONFERENCES - INSPECTIONS

It is mutually agreed that all portions of the work covered by this AGREEMENT shall be subject to the inspection of duly-authorized representatives of the STATE and Federal Highway Administration, United States Department of Transportation, at such time or times as the STATE or Federal Highway Administration deems appropriate.

The location of the office where the work will be available for inspection by STATE and Federal Highway Administration representatives is PORTSMOUTH, NH & SACO, ME.

It is further mutually agreed that any party, including the duly-authorized representatives of the Federal Highway Administration, may request and obtain conferences, visits to the site, and inspection of the work at any reasonable time.

C. EXTENT OF CONTRACT

1. Contingent Nature of AGREEMENT

Notwithstanding anything in this AGREEMENT to the contrary, all obligations of the STATE, including, without limitation, the continuance of payments, are contingent upon the availability and continued appropriation of funds, and in no event shall the STATE be liable for any payments in excess of such available appropriated funds. In the event of a reduction or termination of those funds, the STATE shall have the right to terminate this AGREEMENT.

2. Termination

The DEPARTMENT shall have the right at any time, and for any cause, to terminate the work required of the CONSULTANT by this AGREEMENT, by written notice of such termination

provided to the CONSULTANT by the DEPARTMENT, and, in the event of such a termination of this AGREEMENT, without fault on the part of the CONSULTANT, the CONSULTANT shall be entitled to compensation for all work theretofore satisfactorily performed, pursuant to this AGREEMENT, such compensation to be fixed, insofar as possible, based upon the work performed prior to termination. It shall be a breach of this AGREEMENT if the CONSULTANT shall fail to render timely the services required under this AGREEMENT, in accordance with sound professional principles and practices, to the reasonable satisfaction of the DEPARTMENT, or shall be in such financial condition as to be unable to pay its just debts as they accrue, or shall make an assignment for the benefit of creditors, or shall be involved in any proceeding, voluntary or involuntary, resulting in the appointment of a receiver or trustee over its affairs, or shall become dissolved for any cause. In the event of the happening of any one or more of the foregoing contingencies, or upon the substantial breach of any other provisions of this AGREEMENT by the CONSULTANT, its officers, agents, employee, and subconsultants, the DEPARTMENT shall have the absolute right and option to terminate this AGREEMENT forthwith, and, in addition, may have and maintain any legal or equitable remedy against the CONSULTANT for its loss and damages resulting from such breach or breaches of this AGREEMENT; provided, however, that as to all plans, drawings, tracings, estimates, specifications, reports, proposals, sketches, diagrams and calculations, together with all material and data theretofore furnished to the DEPARTMENT by the CONSULTANT, of a satisfactory nature in accordance with this AGREEMENT, which plans, drawings, tracings, etc., are of use to the DEPARTMENT, the CONSULTANT shall be entitled to a credit, based on the contract rate for the work so performed in a satisfactory manner and of use and benefit to the DEPARTMENT.

D. REVISIONS TO REPORTS, PLANS OR DOCUMENTS

The CONSULTANT shall perform such additional work as may be necessary to correct errors in the work required under the AGREEMENT, caused by errors and omissions by the CONSULTANT, without undue delays and without additional cost to the DEPARTMENT.

Furthermore, prior to final approval of plans, specifications, estimates, reports or documents by the DEPARTMENT, the CONSULTANT shall make such revisions of them as directed by the DEPARTMENT, without additional compensation therefore except as hereinafter provided:

1. If, after its written approval thereof, the DEPARTMENT shall require changes to the plans or documents that revise engineering or other factors specifically approved, thereby necessitating revisions of the contract plans or documents, or,
2. If, after approval by the DEPARTMENT of the final contract plans or documents, the CONSULTANT shall be ordered in writing by the DEPARTMENT to make revisions, or to perform services other than those necessary in order to adapt said plans, reports or documents to conditions observed during field inspections and encountered during construction; the CONSULTANT shall be entitled to compensation therefor in accordance with Article II, Section B, such compensation to be in addition to the fee specified in Article II, Section A, for its original work on the plans, reports or documents.

E. ADDITIONAL SERVICES

If additional services are performed by the CONSULTANT through its own acts, which are not usable or applicable to this project, the cost of such additional services shall not be reimbursable.

F. OWNERSHIP OF PLANS

All data, plans, drawings, tracings, estimates, specifications, proposals, sketches, diagrams, calculations, reports or other documents collected, prepared, or undertaken either manually or electronically by the CONSULTANT, under the provisions of this AGREEMENT, immediately shall become the property of the DEPARTMENT, and, when completed, shall bear the CONSULTANT'S endorsement. The CONSULTANT shall surrender to the DEPARTMENT, upon demand at any time, or submit to its inspection, any data, plan, drawing, tracing, estimate, specification, proposal, sketch, diagram, calculation, report or document which shall have been collected, prepared, or undertaken by the CONSULTANT, pursuant to this AGREEMENT, or shall have been hitherto furnished to the CONSULTANT by the DEPARTMENT. The CONSULTANT shall have the right, with the written approval of the DEPARTMENT, to use any of the data prepared by it and hitherto delivered to the DEPARTMENT at any later stage of the project contemplated by this AGREEMENT.

G. SUBLETTING

The CONSULTANT shall not sublet, assign or transfer any part of the CONSULTANT'S services or obligations under this AGREEMENT without the prior approval and written consent of the DEPARTMENT.

All subcontracts shall be in writing and those exceeding \$10,000 shall contain all provisions of this AGREEMENT, including "Certification of CONSULTANT/Subconsultant." A copy of each subcontract shall be submitted for the DEPARTMENT'S files.

H. GENERAL COMPLIANCE WITH LAWS, ETC.

The CONSULTANT shall comply with all Federal, STATE and local laws, and ordinances applicable to any of the work involved in this AGREEMENT and shall conform to the requirements and standards of STATE, municipal, railroad and utility agencies whose facilities and services may be affected by the construction of this project. The services shall be performed so as to cause minimum interruption to said facilities and services.

I. BROKERAGE

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT, to meet the staffing requirements of this Contract, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gift or any other consideration, contingent upon or resulting from the award or making of this Contract. For breach or violation of this warranty, the STATE shall have the right to annul this Contract without liability, or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

J. CONTRACTUAL RELATIONS

1. Independent Contractor

The CONSULTANT agrees that its relation to the STATE is as an independent contractor and not as an agent or employee of the STATE.

2. Claims and Indemnification

a. Non-Professional Liability Indemnification

The CONSULTANT agrees to defend, indemnify and hold harmless the STATE and all of its officers, agents and employees from and against any and all claims, liabilities or suits arising from (or which may be claimed to arise from) any (i) acts or omissions of the CONSULTANT or its subconsultants in the performance of this AGREEMENT allegedly resulting in property damage or bodily injury and/or (ii) misconduct or wrongdoing of the CONSULTANT or its subconsultants in the performance of this AGREEMENT.

b. Professional Liability Indemnification

The CONSULTANT agrees to defend, indemnify and hold harmless the STATE and all of its officers, agents and employees from and against any and all claims, liabilities or suits arising from (or which may be claimed to arise from) any negligent acts or omissions of the CONSULTANT or its subconsultants in the performance of professional services covered by this AGREEMENT.

- c. These covenants shall survive the termination of the AGREEMENT. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the STATE, which immunity is hereby reserved by the STATE.

3. Insurance

a. Required Coverage

The CONSULTANT shall, at its sole expense, obtain and maintain in force the following insurance:

1. Commercial or comprehensive general liability insurance including contractual coverage, for all claims of bodily injury, death or property damage, in policy amounts of not less than \$250,000 per occurrence and \$2,000,000 in the aggregate (STATE to be named as an additional insured); and
2. Comprehensive automobile liability insurance covering all motor vehicles, including owned, hired, borrowed and non-owned vehicles, for all claims of bodily injury, death or property damage, in policy amounts of not less than \$500,000 combined single limit; and
3. Professional liability (errors and omissions) insurance coverage of not less than \$2,000,000 in the aggregate. If coverage is claims made, the period to report claims shall extend for not less than three years from the date of substantial completion of the construction contract. No retention (deductible) shall be more than \$75,000; and
4. Workers' compensation and employer's liability insurance as required by law.

b. Proof of Insurance

The policies described in paragraph (a) of this section and Section G. shall be in the standard form employed in the STATE, issued by underwriters licensed or approved by the Department of Insurance of the STATE. Each policy shall contain a clause prohibiting

cancellation or modifications of the policy earlier than thirty (30) days after written notice thereof has been received by the STATE. The CONSULTANT shall provide to the STATE a certificate of insurance evidencing the required coverages and cancellation clause prior to submittal of the AGREEMENT to Governor and Council for approval and shall have a continuing duty to provide new certificates of insurance as the policies are amended or renewed.

4. No Third-Party Rights

It is not intended by any of the provisions of the AGREEMENT to make the public or any member thereof a third-party beneficiary of the AGREEMENT, or to authorize anyone not a party to this AGREEMENT to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of his Contract. The duties, obligations and responsibilities of the parties to this AGREEMENT with respect to third parties shall remain as imposed by law. No portion of this AGREEMENT shall be understood to be a waiver of the STATE'S sovereign immunity.

5. Construction of AGREEMENT

This AGREEMENT is executed in a number of counterparts, each of which is an original and constitutes the entire AGREEMENT between the parties. This AGREEMENT shall be construed according to the laws of the STATE. Any claim brought under or relative to this agreement shall be brought in the Courts of the State.

K. AGREEMENT MODIFICATION

The assignment of the CONSULTANT, generally established by the scope of work in this AGREEMENT, shall not be modified in any way without prior approval of the Governor and Council. If any part of this AGREEMENT is held unenforceable for any reason, the remaining portion of this AGREEMENT shall remain in full force and effect, and shall be carried out in a manner that is consistent with the intentions of the parties hereto.

L. EXTENSION OF COMPLETION DATE(S)

If, during the course of the work, the CONSULTANT anticipates that he cannot comply with one or more of the completion dates specified in this agreement, it shall be the CONSULTANT'S responsibility to notify the Department in writing at least thirty (30) days prior to the completion date(s) in question. The CONSULTANT shall state the reasons that a completion date(s) cannot be met and request a revised date(s) for consideration by the DEPARTMENT.

M. EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES

The CONSULTANT shall comply with Title VI of the Civil Rights Act of 1964, as amended. Accordingly, 49 CFR 21 through Appendix H and 23 CFR 710.405(b) and, for contracts in excess of \$10,000, Executive Order 11246 entitled "Equal Employment Opportunity," as amended by Executive Order 11375 and as supplemented in Department of Labor regulations (41 CFR Part 60), shall be applicable to this AGREEMENT and any subagreements hereunder.

N. DISADVANTAGED BUSINESS ENTERPRISE POLICY AGREEMENT REQUIREMENTS

1. Policy. It is the policy of the United States Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 (Amended) shall have the maximum opportunity to participate in the performance of agreements financed in whole or in part with Federal funds. Consequently, the DBE requirements of 49 CFR Part 23 (Amended) apply to this AGREEMENT.
2. Disadvantaged Business Enterprise (DBE) Obligation. The STATE and its Consultants agree to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 (Amended) have the maximum opportunity to participate in the performance of agreements and any subagreements financed in whole or in part with Federal funds. In this regard, the STATE and its Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 (Amended) to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform work specified in the agreements. The STATE and its Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT - assisted agreements.
3. Sanctions for Non-Compliance. The CONSULTANT is hereby advised that failure of the CONSULTANT, or any Subconsultant performing work under this AGREEMENT, to carry out the requirements set forth in paragraphs 1 and 2 above shall constitute a breach of agreement and, after

the notification of the DEPARTMENT, may result in termination of this AGREEMENT by the STATE or such remedy as the STATE deems appropriate.

O. DOCUMENTATION

The CONSULTANT shall document the results of the work to the satisfaction of the DEPARTMENT and the Federal Highway Administration. This shall include preparation of progress reports, plans, specifications and estimates and similar evidences of attainment of objectives called for in this AGREEMENT.

P. CLEAN AIR AND WATER ACTS

If the amount of the AGREEMENT or subcontract thereunder exceeds \$100,000, the CONSULTANT or subconsultant shall comply with applicable standards, orders or requirements issued under Section 306 of the Federal Clean Air Act (43 U.S.C. 1857(h)), Section 508 of the Federal Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR Part 15), which prohibit the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA List of Violating Facilities. The CONSULTANT or subconsultant shall report violations to the FHWA and to the U. S. Environmental Protection Agency Assistant Administrator for Enforcement (EN-329).

ATTACHMENTS

**CERTIFICATION WITH REGARD TO THE PERFORMANCE OF PREVIOUS
CONTRACTS OR SUBCONTRACTS SUBJECT TO THE EQUAL OPPORTUNITY
CLAUSE AND THE FILING OF REQUIRED REPORTS.**

R.W. GILLESPIE & ASSOCIATES

The CONSULTANT A, proposed subcontractor _____, hereby certifies that he has X, has not _____, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Order 11246 and that it has _____, has not X, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

R.W. GILLESPIE & ASSOCIATES
(Company)
By: _____
PRESIDENT
(Title)

Date: 14 OCT 2025

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b)(1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Contract Compliance, U.S. Department of Labor.

(Revised: June 1980) **NOTE: TO BE COMPLETED BY CONSULTANT WHEN SIGNING AGREEMENT.**

THIS PAGE INTENTIONALLY BLANK

CERTIFICATION OF CONSULTANT/SUBCONSULTANT

I hereby certify that I am the PRESIDENT and duly-authorized representative of the firm of R.W. GILBERT & ASSOCIATES, INC., and that neither I nor the above firm I here represent has:

- (a) employed or retained for a commission, percentage, brokerage, contingent fee, or other considerations, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Contract,
- (b) agreed, as an express or implied condition for obtaining this Contract, to employ or retain the services of any firm or person in connection with carrying our the Contract, or
- (c) paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying our the Contract:

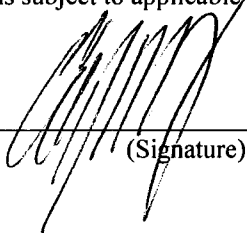
I/WE do also, under penalty of perjury under the laws of the United States, certify that, except as noted below, the company or any person associated therewith in the capacity of (owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of Federal funds): (a) is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency; (b) has not been suspended, debarred, voluntarily excluded or determined ineligibility by any Federal agency within the past three years; (c) does not have a proposed debarment pending; and (d) has not be indicated, convicted or have a civil judgment rendered against (it) by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

except as here expressly stated (if any):

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate below to whom it applied, the initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

I acknowledge that this certificate is to be furnished to the State Department of Transportation and the Federal Highway Administration, U.S. Department of Transportation, in connection with this Contract involving participation of Federal-aid highway funds, and is subject to applicable State and Federal laws, both criminal and civil.

14 OCTOBER 2015
(Date)


(Signature)


CERTIFICATION OF STATE DEPARTMENT OF TRANSPORTATION

I hereby certify that I am the Director of Project Development of the Department of Transportation of the State of New Hampshire, and the above consulting firm or its representatives has not been required, directly or indirectly as an express or implied condition in connection with obtaining or carrying out this contract.

- (a) employ or retain, or agree to employ or retain, any firm or person, or
- (b) pay, or agree to pay, to any firm, person, or organization, any fee, contribution, donation, or consideration of any kind:

except as here expressly stated (if any):

11/9/15
(Date)


(Signature)

**CERTIFICATION FOR FEDERAL-AID CONTRACTS
EXCEEDING \$100,000 IN FEDERAL FUNDS**

The prospective participant certifies, by signing and submitting this agreement, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower-tier subcontracts which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

New Hampshire Department of Transportation
Special Statewide Materials Inspection and Testing Consulting Agreement
Special Statewide Project No.

APPROVED CLASSIFICATION SCHEDULE

Consultant Name: _____
Street Address: _____
City, State, Zip Code: _____

Employee	Employee Classification					
	1	2	3	4	5	6

Key to Employee Classification

- 1. Precast/Prestressed Concrete Inspector/Tester
- 2. Soils Testing Technician
- 3. Bituminous Concrete Plant Inspector/Tester
- 4. Field and Plant Concrete Inspector/Tester
- 5. Construction Inspector

Submitted by: _____
(Typed Name)

Accepted by: _____
Chief of Materials Technology
Bureau of Materials and Research

SEAL AND SIGNATURE PAGE

IN WITNESS WHEREOF the parties hereto have executed this AGREEMENT on the day and year first above written.

(SEAL)

Consultant

WITNESSES TO THE CONSULTANT:

By: Claudette Peterdue

Dated: 10/15/2015

CONSULTANT

By: [Signature]

PRESIDENT (Title)

Dated: 14 OCTOBER 2015

Department of Transportation

THE STATE OF NEW HAMPSHIRE

By: [Signature]

for DOT Commissioner

Dated: 11/9/15

Attorney General

This is to certify that the above Agreement has been reviewed by this office, and is approved as to form and execution.

Dated: 11/25/15

By: [Signature]
Assistant Attorney General

Secretary of State

This is to certify that the GOVERNOR AND COUNCIL on _____ approved this Agreement.

Dated: _____

Attest:
By: _____
Secretary of State



R.W. Gillespie & Associates, Inc.

Geotechnical Engineering • Environmental Consulting • Materials Testing Services

23 September 2015

Denis M. Boisvert, P.E.
Bureau of Materials & Research, NHDOT
P.O. Box 483
Concord, NH 03302-0483

Subject: Bid for NHDOT PROJECT 13967
State Wide Materials Testing and Construction Services Contract - NHDOT
RWG&A Proposal No. P-9106MTS

Dear Mr. Boisvert:

Attached is our bid Submittal for NHDOT PROJECT 13967 State Wide Materials Testing and Construction Services Contract. We would like to remind the Bureau that RWG&A is teaming with Greenman-Pedersen, Inc. on this bid. RWG&A will be the prime consultant, and Greenman-Pedersen, Inc. will be our subconsultant.

By teaming, the efficiency and value of services offered to NHDOT would be enhanced through our combined service and market strengths. The team would have greater flexibility in responding to NHDOT's particular inspection and testing needs than we could as individual firms. For example, the team would have multiple persons available for precast, prestress plant inspection services, and pavement plant inspections. Consideration could be given to proximity of our two firms to facilities in Maine, Massachusetts, New Hampshire, and Vermont. Also, RWG&A has a materials testing laboratory certified by AASHTO Materials Reference Laboratory Program R18 to supplement Greenman-Pederson Inc.'s capabilities.

We look forward to the bid results and the opportunity to be of service to NHDOT again. If you have any questions, please contact me.

Sincerely,
R.W. GILLESPIE & ASSOCIATES, INC.

Matthew T. Grady, P.E.
Associate

MTG:md

G:\Proposals\9100\9106MTS\2015-09-23 P-9106 Bid Cover Letter.docx

Rev: November, 2003

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

Proposal of R.W. Gillespie + Associates, Inc.
NAME

200 International Drive, Suite 170, Portsmouth, NH 03801
ADDRESS

to furnish and deliver all materials and to perform all work in accordance with the Contract of the State of New Hampshire, Department of Transportation for materials testing and construction services on which proposals will be received until 2:00 o'clock P.M., Prevailing Time on the 23rd day of September, 2015. Said project being situated as follows:

Statewide

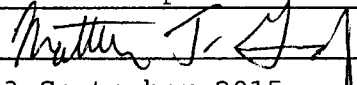
N.H. Department of Transportation
John O. Morton Building
Room 130, Contract Section
P. O. Box 483
Concord, NH 03302-0483

Commissioner:

In accordance with the advertisement of the Department of Transportation inviting proposals for the project hereinbefore named and in conformity with the Plans and Specifications on file in the office of the Department of Transportation, I/WE hereby certify that I AM/WE ARE the only person, or persons, interested in this proposal as principals; that this proposal is made without collusion with any person, firm or corporation; that an examination has been made of the Plans, of the Standard Specifications, of the Standard Plans Book, of the Proposal, and applicable addendums, including but not restricted to the Special Attentions, Supplemental Specifications, and Special Provisions attached thereto, and also that an examination has been made of the site of the work; and I, or we, propose to furnish all necessary machinery, equipment, tools, labor and other means of construction, and to furnish all materials specified in the manner and at the time prescribed; and understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all quantities of work whether increased or decreased are to be performed at the following prices:

CONTRACTOR'S BID SHEET
 NHDOT Project 13967-V, 13967-W, 13967-X
 Materials Testing And Construction Inspection Services

ITEM NOS.	QUANTITY	ITEMS AND UNIT PRICES BID IN WORDS	UNIT PRICES		AMOUNT	
			DOLLARS	CENTS	DOLLARS	CENTS
1.1	3000 hr.	Precast/Prestressed Concrete Inspection <u>AT Forty Five</u> _____ DOLLARS PER HR	45	00	135,000	00
1.2	1000 hr.	Bituminous Testing and Inspection <u>AT Forty Five</u> _____ DOLLARS PER HR	45	00	45,000	00
1.3	3500 hr.	Concrete/Soils Testing and Inspection <u>AT Thirty Nine dollars</u> <u>and Fifty cents</u> DOLLARS PER HR	39	50	138,250	00
1.4	500 hr.	Construction Inspector <u>AT Thirty Nine dollars</u> <u>and Fifty cents</u> DOLLARS PER HR	39	50	19,750	00
2.1	100 ea.	Concrete Cylinder Strength <u>AT Three</u> _____ DOLLARS PER EA	3	00	300	00

2.2	25 ea.	Coarse Aggregate Gradation AT Ten _____ _____ DOLLARS PER EA	10	00	250	00
2.3	25 ea.	Fine Aggregate Gradation AT Ten _____ _____ DOLLARS PER EA	10	00	250	00
2.4	25 ea.	Maximum Dry Density of Soil AT Ten _____ _____ DOLLARS PER EA	10	00	250	00
2.5	25 ea.	Material finer than #200 Sieve in Mineral Aggregate By Washing AT Ten _____ _____ DOLLARS PER EA	10	00	250	00
		Grand Total \$ 339,300				
Company:	R.W. Gillespie & Associates, Inc, with Subconsultant Greenman-Pederson, Inc.					
Signature:						
Date:	23 September 2015					

July 27, 1999

It is further proposed:

To execute the Contract and begin work within 10 days from the date specified in the "Notice to Proceed" and to prosecute said work so as to complete the Statewide materials testing and construction inspection services agreement and its appurtenances on or before December 31, 2017

To guarantee all of the work performed under this Contract to be done in accordance with the Specifications and in good and workmanlike manner, and to renew or repair any work which may be rejected, due to defective materials or workmanship, prior to final completion and acceptance of the project.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions.

(1). The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. (2). Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Contract Affidavit

I/We declare under penalty of perjury under the laws of the United States and the State of New Hampshire that, in accordance with the provisions of Title 23 USC, Section 112(c), have not either directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this Proposal.

Dated: _____

(If a firm or individual)

Signature of Bidder _____

By _____

Address of Bidder _____

Names and addresses of members of the Firm:

(If a Corporation)

Signature of Bidder _____

Title _____

By _____

Business Address _____

Incorporated under the laws of the State of _____

Names of Officers:

President _____
Name Address

Secretary _____
Name Address

Treasurer _____
Name Address

Appendix A

23 September 2015

**New Hampshire Department of Transportation
Special Statewide Materials Inspection and Testing Consulting Agreement
Special Statewide Project No.**

APPROVED CLASSIFICATION SCHEDULE

Consultant Name: R.W. Gillespie & Associates, Inc. Subconsultant: Greenman-Pedersen, Inc.
 Street Address: 200 International Dr., Suite 170 14 Manchester Square, Suite 150
 City, State, Zip Code: Portsmouth, NH 03801 Portsmouth, NH 03801

Employee	Employee Classification					
	1	2	3	4	5	6
George Morrell (RWG&A)		X	X	X	X	
Joe Barth (RWG&A)	X	X	X	X	X	
Mary Sanders (RWG&A)		X	X	X	X	
Tony Ashenden (RWG&A)	X	X	X	X		
Adam Croteau (RWG&A)		X		X		
Matthew Grady (RWG&A)	X			X		
Tim Letton (GPI)	X				X	
Raymond Lavoie (GPI)	X				X	
Thomas Tharp (GPI)					X	
Dennis Kelly (GPI)	X		X	X	X	
Kevin Morrissey (GPI)					X	
John Hunt (GPI)					X	

Key to Employee Classification

1. Precast/Prestressed Concrete Inspector/Tester
2. Soils Testing Technician
3. Bituminous Concrete Plant Inspector/Tester
4. Field and Plant Concrete Inspector/Tester
5. Construction Inspector

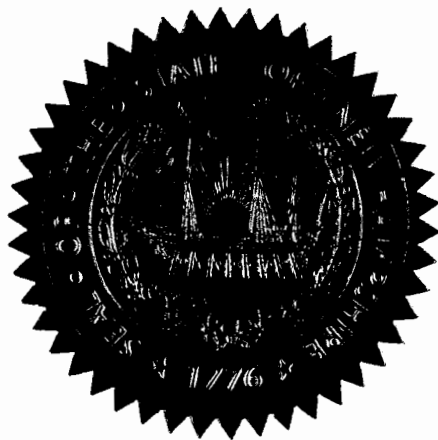
Submitted by: Matthew Grady
 (Typed Name)
 R.W. Gillespie & Associates, Inc.

Accepted by: _____
 Chief of Materials Technology
 Bureau of Materials and Research

State of New Hampshire Department of State

CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that R. W. GILLESPIE & ASSOCIATES, INC.. a(n) Maine corporation, is authorized to transact business in New Hampshire and qualified on May 15, 1991. I further certify that all fees and annual reports required by the Secretary of State's office have been received.



In TESTIMONY WHEREOF, I hereto set my hand and cause to be affixed the Seal of the State of New Hampshire, this 22nd day of October, A.D. 2015

A handwritten signature in cursive script, appearing to read "William M. Gardner".

William M. Gardner
Secretary of State



R.W. Gillespie & Associates, Inc.

Geotechnical Engineering • Environmental Consulting • Materials Testing Services

R.W. GILLESPIE & ASSOCIATES, INC.

CERTIFICATE OF VOTE

I, Matthew T. Grady, hereby certify that I am the duly elected Secretary of R.W. Gillespie & Associates, Inc.

I hereby certify the following is a true copy of a vote taken at a meeting of the Board of Directors of the Corporation, duly called and held on 15 December 2014 at which a quorum of the Board was present and voting.

VOTED:

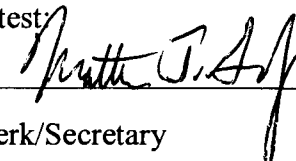
The purpose of this meeting was to name those persons within the corporation who are authorized to sign documents on behalf of the corporation.

RESOLVED, that the following persons are authorized to sign, as indicated:

Erik J. Wiberg, President and Charles R. Nickerson, Vice President for all purposes. All document authors for the purpose of technical reports.

I hereby certify that said vote has not been amended or repealed and remains in full force and effect as of 14 October 2015 and that Erik J. Wiberg and Charles R. Nickerson are the duly elected CEO/President and Vice President, respectively, of this corporation.

Date: 10/15/15

Attest: 
Clerk/Secretary

CORPORATE SEAL



CERTIFICATE OF LIABILITY INSURANCE

RWGILLE-01 VPULLING

DATE (MM/DD/YYYY)
12/2/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Clark Insurance 2385 Congress Street Portland, ME 04104	CONTACT NAME: PHONE (A/C, No, Ext): (207) 774-6257 FAX (A/C, No): (207) 774-2994 E-MAIL ADDRESS: info@clarkinsurance.com	
	INSURER(S) AFFORDING COVERAGE NAIC #	
INSURED R W Gillespie & Associates 86 Industrial Park Rd. Suite 4 Saco, ME 04072	INSURER A: West American Insurance Co 44393	
	INSURER B: Ohio Security Insurance Co 24082	
	INSURER C: Ohio Casualty Insurance Company 24074	
	INSURER D: Maine Employers Mutual 11149	
	INSURER E: XL Specialty Insurance Co 37885	
INSURER F:		

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

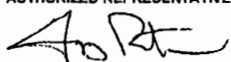
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X		BKW56586571	03/04/2015	03/04/2016	EACH OCCURRENCE \$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
							MED EXP (Any one person) \$ 15,000
							PERSONAL & ADV INJURY \$ 1,000,000
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
							\$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			BAS56586571	03/04/2015	03/04/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			USO56586571	03/04/2015	03/04/2016	EACH OCCURRENCE \$ 4,000,000
							AGGREGATE \$ 4,000,000
							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	5101800160	03/04/2015	03/04/2016	<input checked="" type="checkbox"/> PER STATUTE <input checked="" type="checkbox"/> OTHER
							E.L. EACH ACCIDENT \$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Prof Liability			DPR9800100	12/01/2015	12/01/2016	Each Claim 2,000,000
E	Deductible - \$35,000			DPR9800100	12/01/2015	12/01/2016	Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 For Professional Liability coverage, the aggregate limit is the total insurance available for all covered claims presented within the policy period. The limit will be reduced by payments of indemnity and expense.

Certificate holder is an additional insured, by automatic status, when required by written contract, when executed prior to any loss, with regards to general liability arising out of the ongoing operations of the insured. 30 Day notice of cancellation with a 10 day non-payment notice, will be provided in accordance with the policy terms and conditions. Contract #NHDOT Projects 13967-X. Project description - Technical Services: Materials Testing and Construction Inspection Services.

CERTIFICATE HOLDER**CANCELLATION**

NH DOT Bureau of Materials and Research 5 Hazen Drive PO Box 483 Concord, NH 03302-0483	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
-----------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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