



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

Bureau of Environment
March 19, 2020

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Transportation to enter into an Agreement with VHB, Inc., Bedford, NH, Vendor #174584, for an amount not to exceed \$250,000.00 for on-call engineering and support services for transportation-related project-level air quality and/or noise impact studies statewide, effective upon Governor and Council approval, through June 30, 2023.

Funds to support this request are available in the following account in State FY 2020 and State FY 2021, and funding is contingent upon the availability and continued appropriation of funds in State FY 2022 and State FY 2023, with the ability to adjust encumbrances between State Fiscal Years through the Budget Office if needed and justified:

	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>
04-096-96-963515-3054 Consolidated Federal Aid				
046-500464 Gen Consultants Non-Benefit	\$10,000.00	\$100,000.00	\$100,000.00	\$40,000.00

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 on-call engineering and technical consulting services to conduct transportation related project level air quality and/or noise impact studies for Department projects at various locations throughout the State, including conducting field noise measurements, traffic volume and movement data collection, survey, air quality and noise modeling, impact evaluation and abatement assessments, and public outreach efforts.

The consultant selection process employed by the Department for this qualifications-based contract is in accordance with RSAs 21-I:22, 21-I:22-c, 21-I:22-d, 228:4 and 228:5-a, and all applicable Federal laws and the Department's "Policies and Procedures for Consultant Contract Procurement, Management, and Administration" dated August 25, 2017. The Department's Consultant Selection Committee is a standing committee that meets regularly to administer the process and make determinations. The Committee is comprised of the Assistant Director of Project Development (Chair), the Chief Project Manager, the Administrators of the Bureaus of Highway Design, Bridge Design, Environment, and Materials and Research, and the Municipal Highways Engineer.

The consultant selection process for this qualifications-based contract was initiated by a solicitation for consultant services for two (2) Statewide On-Call Air Quality and Noise Service contracts. The assignment was listed as a "Project Soliciting for Interest" on the Department's website on August 9, 2019, asking for letters of interest from qualified firms. From the list of firms that submitted letters of interest, the Committee prepared a long and then short list of Consultants on September 12, 2019 for consideration and approval by the Assistant Commissioner. Upon receipt of that approval, four shortlisted firms were notified on October 7, 2019 through a technical "Request

for Proposal" (RFP). Committee members individually rated the firms' technical proposals on November 26, 2019 using a written ballot to score each firm on the basis of comprehension of the assignment, clarity of the proposal, capacity to perform in a timely manner, quality and experience of the project manager and the team, and overall suitability for the assignment. The individual rankings were then totaled to provide an overall ranking of the four firms, and the Committee's ranking was submitted to the Assistant Commissioner for consideration and approval. Upon receipt of the Assistant Commissioner's approval, the short listed firms were notified of the results and the two (2) highest-ranking firms were asked to submit a fee proposal for negotiations.

The long list of four (4) consultant firms that were considered for this assignment, with all four (4) firms being short-listed as shown in **bold** as follows:

Consultant Firm

AECOM
Harris Miller Miller & Hanson, Inc.
VHB, Inc.
WSP USA Inc.

Office Location

Manchester, NH
Burlington, MA
Bedford, NH
Manchester, NH

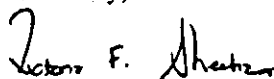
The firm of VHB, Inc. has been recommended for one of the two (2) contracts. This firm have excellent reputations and has demonstrated their capability to perform the required services. Background information on these firms is attached.

VHB, Inc. has agreed to furnish the on-call services for an amount not to exceed \$250,000.00. The cost for individual Task Orders assigned under this contract will be negotiated and use of a cost plus fixed fee or lump sum method of compensation will be determined based on the complexity and scope of engineering and technical services required. No new tasks may be assigned after the above-noted completion date, however, completion of previously assigned work begun prior to the completion date shall be allowed, subject to the written mutual agreement of both parties, which shall include a revised date of completion.

This Agreement (Statewide On-Call Air Quality & Noise Services 42731) has been approved by the Attorney General as to form and execution. The Department has verified that the necessary funds are available. Copies of the fully-executed Agreement 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 an Agreement for consulting services as outlined above.

Sincerely,



Victoria F. Sheehan
Commissioner

Attachments

PROJECT: Statewide On-Call Air Quality & Noise Services 42730 & 42731

DESCRIPTION: Two (2) Statewide On-Call Agreements, anticipated at \$250,000 each over a three-year term, are needed to conduct transportation related project-level air quality and/or noise impact studies for Department projects at various locations throughout the State. Typical assignments may include, but are not limited to, the following tasks: Conduct field noise measurements using Federal Highway Administration (FHWA) approved sound level meters; Gather real time traffic volume and movement data; Gather site specific survey and/or GPS data for input into air quality and noise modeling programs; Determine existing and future traffic data for input into air quality and noise modeling programs; FHWA Traffic Noise Model preparation and verification; Noise impact evaluation and abatement assessment; Project level air quality impact analysis; EPA Mobile Vehicle Emissions Simulator and dispersion model preparation; Air quality impact evaluation and abatement assessment; Preparation of technical reports detailing the air quality and/or noise study methods and results; Design of abatement recommendations (i.e. noise barriers, traffic signal modifications, etc.); Preparation of visual aids for use in reports and presentations; and attendance at public meetings to present study findings. Knowledge in the use of the following computer modeling programs is required: The most up-to-date FHWA traffic noise modeling program; The most up-to-date EPA approved motor vehicle emission and dispersion models. This work will require Professional Engineer licensure in the State of New Hampshire.

SERVICES REQUIRED: AIR, NOIS, TRAF, SURV, STRC**SUMMARY**

AECOM Technical Services, Inc.	4	4	4	4	4	4	4	28	4
Harris Miller Miller & Hanson, Inc.	1	1	1	1	1	1	1	7	1
Vanasse Hangen Brustlin, Inc.	3	2	2	2	2	2	2	15	2
WSP USA, Inc.	2	3	3	3	3	3	3	20	3

EVALUATION OF TECHNICAL PROPOSALS

Rating Considerations		Scoring of Firms				
		W E I G H T	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	15	20	17	18	
Clarity of the Proposal	20%	16	19	17	18	
Capacity to Perform in a Timely Manner	20%	17	20	16	19	
Quality & Experience of Project Manager/Team	20%	18	20	20	17	
Previous Performance	10%	8	10	10	9	
Overall Suitability for the Assignment	10%	6	10	8	9	
Total	100%	80	99	88	92	

Ranking of Firms: 1. HMMH
2. WSP

3. VHB
4. AECOM

Rating Considerations		Scoring of Firms				
	W E I G H T	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.	
Comprehension of the Assignment	20%	16	20	19	19	
Clarity of the Proposal	20%	14	20	19	20	
Capacity to Perform in a Timely Manner	20%	17	19	20	17	
Quality & Experience of Project Manager/Team	20%	18	20	20	18	
Previous Performance	10%	7	10	10	6	
Overall Suitability for the Assignment	10%	7	10	9	8	
Total	100%	79	99	97	88	

Ranking of Firms: 1. HMMH
2. VHB

3. WSP
4. AECOM

EVALUATION OF TECHNICAL PROPOSALS (continued)

Rating Considerations		Scoring of Firms			
	WEIGHT	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanassee Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	16	19	19	19
Clarity of the Proposal	20%	18	19	18	19
Capacity to Perform in a Timely Manner	20%	18	19	19	19
Quality & Experience of Project Manager/Team	20%	18	19	19	18
Previous Performance	10%	8	9	9	8
Overall Suitability for the Assignment	10%	7	9	9	8
Total	100%	85	94	93	91

Ranking of Firms: 1. Harris Miller Miller & Hanson, Inc.
2. Vanassee Hangen Brustlin, Inc.
3. WSP USA, Inc.
4. AECOM Technical Services, Inc.

Rating Considerations		Scoring of Firms			
	WEIGHT	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanassee Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	10	18	18	18
Clarity of the Proposal	20%	10	19	17	17
Capacity to Perform in a Timely Manner	20%	17	18	17	17
Quality & Experience of Project Manager/Team	20%	17	16	18	17
Previous Performance	10%	8	9	9	9
Overall Suitability for the Assignment	10%	7	10	9	8
Total	100%	69	90	88	86

Ranking of Firms: 1. HMMH
2. VHB
3. WSP
4. AECOM

Rating Considerations		Scoring of Firms			
	WEIGHT	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanassee Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	12	18	16	14
Clarity of the Proposal	20%	14	18	18	14
Capacity to Perform in a Timely Manner	20%	17	17	17	17
Quality & Experience of Project Manager/Team	20%	15	18	19	15
Previous Performance	10%	7	9	9	7
Overall Suitability for the Assignment	10%	8	9	9	8
Total	100%	73	89	88	75

Ranking of Firms: 1. HMMH
2. VHB
3. WSP
4. AECOM

Rating Considerations		Scoring of Firms			
	WEIGHT	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanassee Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	15	20	20	18
Clarity of the Proposal	20%	15	19	17	17
Capacity to Perform in a Timely Manner	20%	17	19	18	17
Quality & Experience of Project Manager/Team	20%	16	20	19	16
Previous Performance	10%	6	10	10	7
Overall Suitability for the Assignment	10%	6	10	10	7
Total	100%	75	98	94	82

Ranking of Firms: 1. HMMH
2. VHB
3. WSP
4. AECOM

Rating Considerations		Scoring of Firms			
	WEIGHT	AECOM Technical Services, Inc.	Harris Miller Miller & Hanson, Inc.	Vanassee Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	9	20	18	18
Clarity of the Proposal	20%	7	20	16	16
Capacity to Perform in a Timely Manner	20%	10	20	18	15
Quality & Experience of Project Manager/Team	20%	11	20	17	15
Previous Performance	10%	0	10	10	8
Overall Suitability for the Assignment	10%	4	10	8	8
Total	100%	41	100	87	80

Ranking of Firms: 1. HMMH
2. VHB
3. WSP
4. AECOM

A: Resumes



Education

ME, Acoustics, Pennsylvania
State University, 2010

BS, Mechanical Engineering,
University of Colorado, 1996

Registrations

Professional Engineer
(Mechanical) MA, 2007

Professional Engineer
(Mechanical) TX, 2011

Affiliations/Memberships

Transportation Research Board,
ADC40 (Rail), Chair, 2014

Institute of Noise Control
Engineering

Jason is Director of Noise and Vibration Services at VHB. He has considerable experience leading teams that provide state-of-the-art noise and vibration services for a wide-range of transportation projects including highway improvement and rail and transit projects. Jason's skills include project oversight, preparing all levels of NEPA noise studies, advanced engineering and final design of noise and vibration mitigation, and public outreach. Jason also has experience with developing noise policies and guidance documents, noise and vibration research and development, compliance testing of buses and rail transit vehicles, developing measurement and analysis systems, providing noise and vibration course instruction and expert testimony.

18 years of professional experience

NHDOT, Air and Noise On-Call Contract, Statewide, NH

Jason has led a large team to provide air and noise services for the current on-call contract with NHDOT. He is supporting on-call tasks to assist the NHDOT with evaluating the potential implementation of a state-wide Type II Noise Barrier program. Jason's responsibilities have included reviewing the draft Type II noise barrier policy and developing an analysis framework for determining potential locations throughout the state that Type II noise barriers may be feasible and reasonable. This information has provided the NHDOT with insight into the potential costs of Type II barriers statewide and which municipalities the noise barriers would benefit. This information will help the NHDOT prioritize the municipalities with whom they should work with to develop noise-compatible land use planning restrictions. This task has also provided all of the information from the noise barrier feasibility and reasonableness analysis in a Google Earth file that allows the NHDOT to easily access and review information about highway noise levels at specific locations and feasibility of Type II noise barriers.

NHDOT, I-293 Exits 6 and 7, Manchester, NH

As part of the I-293 Feasibility Study and EA, Jason has provided oversight and reviewed the noise impact assessment. This role has included advising VHB staff on measurement methodology and locations, ensuring the study is conducted in accordance with NHDOT noise policy and other QA/QC review. Jason will provide additional oversight in support of the noise impact assessment of the selected alternative and the evaluation of noise barrier feasibility and reasonableness.

NHDOT, Route 202 Improvements, Jaffrey, NH

As part of the Route 202 / NH 124 / NH 137 Intersection Improvements Categorical Exclusion, Jason led a traffic noise study to evaluate whether noise levels would approach or exceed the noise abatement criteria and whether noise abatement would be warranted, feasible and reasonable. Jason and his team conducted noise measurements and developed traffic noise models and has ensured that the study is conducted in accordance with NHDOT noise policy.

NHDOT, General Sullivan Bridge, Newington-Dover, NH

As part of the General Sullivan Bridge Project Supplemental Environmental Impact Statement, Jason evaluated the proposed project and potential build alternatives as they relate to operational noise. Additionally, Jason conducted an analysis of potential hydroacoustic effects of pile driving on the Atlantic sturgeon and short nose sturgeon. This underwater sound analysis included background on potential effects on fish, a description of underwater sound propagation phenomena, and an impact assessment according to the interim criteria used by the Federal Highway Administration and the U.S. Fish and Wildlife Service.

NHDOT, I-93 Widening Contract 13933A, Salem, NH

As part of the final design of the I-93 widening project in Salem, NH, Jason led a National Environmental Policy Act (NEPA) re-evaluation of potential air quality and noise impacts and mitigation and conducted a detailed acoustical analysis of noise walls found to be feasible and reasonable. VHB has previously conducted noise and air quality assessments as part of the Environmental Impact Statement (EIS) in 2004 and the Supplemental EIS (SEIS) in 2010. The primary goals of the noise reevaluation were to assess the need for noise abatement and the feasibility and reasonableness of noise barriers according to the current NHDOT Noise Policy (2016) on both the northbound and southbound sides and conduct a detailed acoustical design of barriers found to be feasible and reasonable for the preferred alternative.

MassDOT, On-Call Noise Services, Statewide, MA

Under contract with the Massachusetts Department of Transportation (MassDOT), Jason has supported noise studies for a broad range of transportation improvement projects. He has conducted noise measurements, developed and validated the Federal Highway Administration's (FHWA) Traffic Noise Model (TNM), conducted noise barrier evaluations and supported public outreach efforts.

MassDOT, I-90, Beacon Park Yard and West Station Project, Boston, MA

Jason is the noise and vibration lead for the I-90, Beacon Park Yard, and West Station multimodal project that includes the introduction of a new commuter rail yard and commuter station as well as the substantial alterations and improvements to Interstate 90 in Boston. This project includes several key stakeholders including MassDOT, MBTA, CSX, Harvard University, Boston University, and community groups. Jason is leading a multimodal noise and vibration impact assessment consistent with Federal Highway Administration regulations and Federal Railroad Administration guidance. The project includes measuring noise and vibration conditions throughout the study area, predicting future noise and vibration conditions for operational and construction-period activities, assessing potential impacts, and providing mitigation recommendations. Jason has also been involved with the Project Task Force in support of the public outreach effort.

CTDOT, I-84 Exit 3 to 8 Improvements Air Quality and Noise Study, Danbury, CT

Jason is leading a highway noise study for the CTDOT I-84 widening project in Danbury (Exit 3 to 8), in support of the Environmental Impact Evaluation according to the CTDOT's "Highway Traffic Noise Abatement Policy for Projects Funded by the Federal Highway Administration". The I-84 widening project has the potential to increase highway noise levels due to the addition of travel lanes and increased traffic volumes. The study area includes nearby commercial and residential land use where potential noise impact will be assessed. For receptors in close-proximity to the highway, sound levels may exceed the state's Noise Abatement Criteria and feasibility and reasonableness of noise abatement measures will be analyzed. VHB is also conducting an air quality analysis to meet requirements of the NEPA/CEPA with respect to the Clean Air Act and subsequent amendments. As part of the submission of an Environmental Assessment, compliance is required with both NEPA and the U.S. Environmental Protection Agency (EPA) Transportation Conformity Rule.

GDOT, I-285 Top End Express Lanes (FM I-75/Cobb Thru Fulton to I-85/Dekalb)

Jason is leading the highway noise study in support of I-285 Top End Environmental Impact Statement. Georgia DOT (GDOT) plans to add new, optional express lanes consisting of two at-grade and elevated, barrier-separated express lanes in both directions of I-285 between Paces Ferry Road and Henderson Road in Cobb, Fulton, and DeKalb counties. The highway noise study is being conducted in accordance with Federal Highway Administration regulations and the GDOT Highway Noise Abatement Policy. The study involves noise measurements, developing traffic noise models to predict existing, no-build, and future design-year build traffic noise levels and evaluating the acoustical and cost-effectiveness of noise abatement such as noise barriers.

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME Vanasse Hangen Brustlin, Inc. (VHB) / Bedford			3. YEAR ESTABLISHED 1987	4. UNIQUE IDENTITY IDENTIFIER 61-521-0440
2b. STREET 2 Bedford Farms Drive, Suite 200			5. OWNERSHIP	
2c. CITY Bedford	2d. STATE NH	2e. ZIP CODE 03110-6532	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Martin F. Kennedy – Senior Principal			b. SMALL BUSINESS STATUS N/A	
6b. TELEPHONE NUMBER (603) 391-3900	6c. E-MAIL ADDRESS mkennedy@vhb.com		7. NAME OF FIRM (If block 2a is a branch office) Vanasse Hangen Brustlin, Inc. (VHB)	
8a. FORMER FIRM NAME(S) (If any) Vanasse/Hangen Design, Inc., 1978 Vanasse/Hangen Associates, Inc. 1979 Vanasse/Hangen Engineering, Inc. 1986 Vanasse/Hangen, Inc. 1986 Vanasse Hangen Brustlin, Inc. 1989			8b. YEAR ESTABLISHED 1979	8c. UNIQUE IDENTITY IDENTIFIER 09-587-4384

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	181	8	B02	Bridges	7
08	CADD Technician	49	3	C15	Construction Management	6
12	Civil Engineer	253	6	E09	Environmental Impact Studies, Assessments or Statements	7
13	Communications Engineer	9	2	E10	Environmental and Natural Resource Mapping	7
19	Ecologist	13	1	G04	Geographic Information System Services: Development, Analysis, and Data Collection	6
24	Environmental Scientist	111	6	H07	Highways; Streets; Airfield Paving; Parking Lots	8
29	Geographic Information System Specialist	34	6	I04	Intelligent Transportation Systems	6
38	Land Surveyor	64	5	L02	Land Surveying	6
39	Landscape Architect	24	2	R04	Recreation Facilities (Parks, Marinas, Etc.)	7
57	Structural Engineer	54	6	R06	Rehabilitation (Buildings; Structures; Facilities)	5
58	Technician/Analyst	66	1	S09	Structural Design; Special Structures	6
60	Transportation Engineer	289	18	T03	Traffic & Transportation Engineering	9
62	Water Resources Engineer	23	1	W02	Water Resources; Hydrology; Ground Water	6
64	Information Technology	39	5			
	Other	157	0			
	Total	1444	70		Other	10

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUE OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	7	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

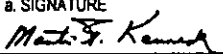
a. SIGNATURE 	b. DATE December 6, 2018
c. NAME AND TITLE Martin F. Kennedy, Senior Principal	

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ATTACHMENTS

1. CERTIFICATION WITH REGARD TO THE PERFORMANCE OF PREVIOUS CONTRACTS OR SUBCONTRACTS, ETC.
2. CONSULTANT DISCLOSURE STATEMENT FOR PREPARATION OF ENVIRONMENTAL EVALUATIONS
3. CERTIFICATION OF CONSULTANT/SUBCONSULTANT
4. CERTIFICATION OF STATE DEPARTMENT OF TRANSPORTATION
5. CERTIFICATION FOR FEDERAL-AID CONTRACTS EXCEEDING \$100,000 IN FEDERAL FUNDS
6. SIGNATURE PAGE
7. CERTIFICATION OF GOOD STANDING
8. CERTIFICATION OF AUTHORITY / VOTE
9. CERTIFICATION OF INSURANCE

STATEWIDE ON-CALL
AIR QUALITY & NOISE SERVICES
42731

AGREEMENT
FOR PROFESSIONAL SERVICES

PREAMBLE

THIS AGREEMENT made this 13th day of March in the year 2020 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, acting under Chapter 228 of the Revised Statutes Annotated, and Vanasse Hangen Brustlin, Inc., with principal place of business at 101 Walnut Street, in the City of Watertown, Commonwealth of Massachusetts, and New Hampshire local office at 2 Bedford Farms Drive, Suite 200 in the Town of Bedford, State of New Hampshire, hereinafter referred to as the CONSULTANT, witnesses that:

The Department of Transportation, State of New Hampshire, hereinafter referred to as the DEPARTMENT, requires on-call engineering and technical services to conduct air quality and/or noise impact studies for various transportation-related projects and facilities located throughout the STATE. These services are outlined in the CONSULTANT'S technical proposal dated November 7, 2019.

This AGREEMENT becomes effective upon approval by the Governor and Council.

ARTICLE I

ARTICLE I - DESCRIPTION OF PROFESSIONAL SERVICES TO BE RENDERED

NOW THEREFORE, in consideration of the undertakings of the parties hereinafter set forth, the DEPARTMENT hereby engages the CONSULTANT, who agrees to render services to the DEPARTMENT which shall include, but not be restricted to, the following items, in accordance with conditions and terms hereinafter set forth:

A. DESCRIPTION OF SERVICES

The types of services required under the terms of this AGREEMENT shall generally include, but are not necessarily limited to providing air quality, noise and/or related technical or engineering services for the assessment and abatement of highway air quality and noise for various projects and facilities located throughout the State.

B. SCOPE OF WORK

Typical assignments may include, but are not limited to, the following tasks:

- Conduct field noise measurements using Federal Highway Administration (FHWA) approved sound level meters.
- Gather real time traffic volume and movement data.
- Gather site specific survey and/or GPS data for input into air quality and noise modeling programs.
- Determine existing and future traffic data for input into air quality and noise modeling programs.
- FHWA Traffic Noise Model preparation and verification
- Noise impact evaluation and abatement assessment
- Project level air quality impact analysis
- EPA Mobile Vehicle Emissions Simulator and dispersion model preparation
- Air quality impact evaluation and abatement assessment
- Preparation of technical reports detailing the air quality and/or noise study methods and results
- Design of abatement recommendations (i.e. noise barriers, traffic signal modifications, etc.)
- Preparation of visual aids for use in reports and presentations
- Attendance at public meetings to present study findings

Knowledge in the use of the following computer modeling programs is required:

- The current FHWA traffic noise modeling program
- The current EPA approved motor vehicle emission and dispersion models

ARTICLE I

Air Quality Impact Assessment & Abatement

The CONSULTANT shall perform, as necessary, tasks required to assess the potential air quality impacts of transportation projects adjacent to existing and proposed highway corridors and rights-of-way to determine and/or achieve compliance with the State of New Hampshire Air Quality Implementation Plan and the provisions set forth in the Clean Air Act Amendments (CAAA) and the National Environmental Policy Act (NEPA). An Air Quality Analysis shall involve up to three phases of investigation. The three phases are as follows:

Phase I: This phase involves a qualitative analysis of the project's potential for adverse air quality impacts at both the local and regional level under the CAAA and/or NEPA. This phase shall involve an investigation of existing information related to the project, including, but not limited to:

- If the project is exempt from the requirement to determine Transportation Conformity under 40 CFR 93.126,
- The project is or could be considered regionally significant,
- Its inclusion in the NH Department of Transportation's Statewide Transportation Improvement Program (STIP), etc.

This phase may also involve a comparison of the proposed project to projects of similar design and traffic conditions. If the project's compliance with the CAAA at the regional level cannot be determined using existing information the CONSULTANT may need to coordinate directly with the local Metropolitan Planning Organizations (MPOs), the NH Department of Environmental Services (NHDES) Air Resources Division and/or the DEPARTMENT's Bureau of Planning and Community Assistance, to determine compliance with the CAAA.

In order to ensure compliance with NEPA, this phase shall also involve a qualitative evaluation of the project's potential for adverse impacts to air quality, including, but not limited to mobile source air toxics (MSAT). The CONSULTANT shall follow the guidelines set forth in the Federal Highway Administration's (FHWA) most recent MSAT guidance document.

The results and any necessary supporting documentation of this phase of investigation shall be documented by the CONSULTANT in a memorandum or report with a recommendation to the DEPARTMENT of the need for any further phases of investigation. If no further phases of investigation are recommended, the CONSULTANT shall indicate how the project complies with the CAAA and NEPA.

Phase II: This phase involves a more detailed quantitative analysis of the project's potential impacts on air quality. The tasks to be performed in this phase are grouped into two levels of analysis. Dependent upon the particular project to be analyzed, the CONSULTANT shall recommend, and the

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DEPARTMENT will determine, if either or both levels of analysis are to be undertaken. The two levels of analysis are:

- **Level I - Mesoscale Analysis:** This level involves the development of a total burden or emissions inventory for roadways influenced by proposed transportation improvements in a particular project area. Pollutants to be inventoried include volatile organic compounds (VOC's) and nitrogen oxides (NO_x). A greenhouse gas emission inventory including carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O) may also be required at the discretion of the DEPARTMENT.
- **Level II – Microscale (Hot-Spot) Analysis:** This level involves the estimation of maximum carbon monoxide (CO) and/or Particulate Matter (PM₁₀/PM_{2.5}) concentrations at various selected receptor locations within a particular study area for comparison with the National Ambient Air Quality Standards (NAAQS). In the event that violations of the NAAQS are predicted, this level may also include the development of site specific mitigation strategies.

For both levels, the years to be analyzed shall be determined by the DEPARTMENT and the CONSULTANT shall perform the required analyses utilizing air quality modeling techniques and programs that have been approved by the Environmental Protection Agency (EPA) and authorized by the DEPARTMENT and the FHWA. Completion of this phase shall require the CONSULTANT to obtain the necessary information to develop the necessary EPA approved air quality model(s). Obtaining this information may require the CONSULTANT to coordinate directly with the NHDES Air Resources Division, the local MPO and/or the DEPARTMENT's Bureaus of Traffic or Highway Design. If traffic and/or survey data are not already available from the DEPARTMENT, the CONSULTANT may be required to gather survey data, traffic data and/or prepare a traffic study to obtain the necessary information to input into the air quality model(s).

At the discretion of the DEPARTMENT, in consultation with the FHWA, completion of this phase may also require a quantitative analysis to forecast local-specific emission trends of the priority MSATs for each alternative and the potential for cumulative MSAT impacts.

The results and any necessary supporting documentation of this phase of investigation shall be documented by the CONSULTANT in a detailed report with a recommendation to the DEPARTMENT of the need for any further phases of investigation. If no further phases of investigation are recommended, the CONSULTANT shall indicate how the project complies with the CAAA and NEPA.

Phase III: This phase will only be required if adverse air quality impacts are identified during the previous two phases of investigation. During this phase the CONSULTANT shall analyze the feasibility and reasonableness of implementing any potential abatement alternatives. If multiple abatement alternatives are identified the CONSULTANT shall recommend and clearly demonstrate the air quality benefits of a preferred abatement alternative. If no feasible and reasonable abatement alternatives are

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identified the CONSULTANT shall clearly indicate the reasons why any abatement measures considered were deemed infeasible and/or unreasonable. Potential abatement measures may include, but are not limited to, traffic signal installation and/or modification, intersection reconfiguration, area traffic signal synchronization, etc.

Noise Impact Assessment & Abatement

The CONSULTANT shall perform, as necessary, tasks required to assess the potential effects of transportation projects on noise levels at receptors and/or environments adjacent to existing and/or proposed highway corridors and rights-of-way to determine and/or achieve compliance with the (FHWA's Procedures for Abatement of Highway Traffic Noise and Construction Noise (23 CFR 772) and the DEPARTMENT's *Policy and Procedural Guidelines for the Assessment and Abatement of Highway Traffic Noise for Type I Highway Projects* (the Noise Policy). A Noise Analysis shall involve up to three phases of investigation. The three phases are as follows:

Phase I: This phase involves the identification of the project type (Type I, II or III) and a qualitative evaluation of the potential for any highway traffic noise impacts within the project area. If the project is identified as a Type I project, the CONSULTANT shall identify the potential for noise impacts on each property located within or adjacent to the project area. The results and any necessary supporting documentation of this phase of investigation shall be documented by the CONSULTANT in a memorandum or report with a recommendation to the DEPARTMENT of the need for any further phases of investigation. If no further phases of investigation are recommended, the CONSULTANT shall indicate how the project complies with 23 CFR 772 and the DEPARTMENT's Noise Policy.

Phase II: This phase involves a more detailed quantitative analysis of any potential highway traffic noise impacts. The CONSULTANT shall prepare a traffic noise model utilizing the most recent noise modeling techniques and programs as approved by the FHWA to predict the existing and future highway traffic noise levels at each property within the project area. The accuracy of the noise model shall be validated using simultaneous field noise measurements and traffic counts. The years to be analyzed shall be determined by the DEPARTMENT. Field noise measurements may be used to determine noise impacts at the discretion of the DEPARTMENT.

Completion of this phase shall require the CONSULTANT to obtain the necessary information to develop the necessary noise model(s). Obtaining this information may require the CONSULTANT to coordinate directly with the DEPARTMENT's Bureaus of Traffic and/or Highway Design to obtain any existing traffic and/or survey data. If traffic and/or survey data are not already available from the DEPARTMENT, the CONSULTANT may be required to gather survey data, traffic data and/or prepare a traffic study to obtain the necessary information to input into the noise model(s).

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The results and any necessary supporting documentation of this phase of investigation shall be documented by the CONSULTANT in a detailed report with a recommendation to the DEPARTMENT of the need for any further phases of investigation. This report shall contain a clear indication of the existing and future noise levels at each property within the study area. If no further phases of investigation are recommended, the CONSULTANT shall indicate how the project complies with 23 CFR 772 and the DEPARTMENT's Noise Policy.

Phase III: This phase will only be required at the discretion of the DEPARTMENT and/or if noise impacts are identified during the previous two phases of investigation. During this phase the CONSULTANT shall analyze the feasibility and reasonableness of implementing any potential abatement alternatives. Each abatement alternative shall be evaluated in accordance with the DEPARTMENT's Noise Policy, utilizing the most recent noise modeling program and techniques approved by the FHWA to predict the future highway traffic noise levels at each property within the project area. Potential abatement measures shall include, but are not limited to, traffic management measures, alteration of horizontal and vertical alignments, acquisition of property rights for construction of noise barriers or acquisition of buffer zones, construction of noise barriers or berms, noise insulation of public use or non-profit institutional structures, etc. If multiple abatement alternatives are identified, the CONSULTANT shall recommend and clearly demonstrate the noise benefits of a preferred abatement alternative and the reasons for its selection. If no feasible and reasonable abatement alternatives are identified the CONSULTANT shall clearly indicate the reasons why any abatement measures considered were deemed infeasible and/or unreasonable.

Final Design of Air Quality and/or Noise Abatement Measures

The DEPARTMENT may require the CONSULTANT to design and prepare all necessary plans and specifications for the construction of the abatement measures determined feasible and reasonable by the DEPARTMENT (i.e., noise barriers, traffic signal modifications, etc.). All plans and specifications shall conform to the DEPARTMENT's current editions of the *Standard Plans for Road Construction* and *Standard Specifications for Road and Bridge Construction*. (These publications and other design guidelines can be found on the DEPARTMENT's website at <http://www.nh.gov/dot/business/engineers.htm>). This effort shall require Professional Engineer licensure in the State of New Hampshire.

C. STAFFING

The CONSULTANT shall submit the **Salary Rate Calculation Form** (furnished to the CONSULTANT by the DEPARTMENT) which contains the average salary rates for the personnel anticipated to be assigned to the Task Order. This form will be used for Task Order cost development independently by the CONSULTANT and the DEPARTMENT prior to entering into negotiations for

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Task Orders under this AGREEMENT.

D. QUALITY CONTROL

The CONSULTANT is expected to perform in a professional manner and all work shall be neat, well organized, fully comply with the requirements of this AGREEMENT and Task Orders, and meet the specified accuracy requirements. The DEPARTMENT will reject any data that does not comply with the above. The DEPARTMENT will decide when the data and services have fully met the project requirements. The CONSULTANT will not be paid for insufficient work.

E. TASK ORDERS

As needs develop, the DEPARTMENT will issue specific Task Orders to the CONSULTANT. A Task Order is an individually funded order with its own unique scope of work issued against the basic contract scope of work, terms and conditions, to carry out a specific project for the DEPARTMENT. These Task Orders will be initiated by a Request for Proposal (RFP) letter that may include a detailed description of the project or elements of work, an outline of the services required, responsibilities of the parties, materials to be supplied by the DEPARTMENT, specified accuracy requirements, and other information necessary to complete the work for the Task Order. The CONSULTANT shall then submit to the DEPARTMENT for approval a scope of work and fee proposal and a tentative work schedule and completion date for each Task Order assigned. The DEPARTMENT will review the CONSULTANT'S proposal and schedule negotiations, if necessary, to clarify the proposed scope of work, the number of work hours needed, and any other associated proposed costs in order to establish the final not-to-exceed or lump-sum amount for the Task Order. Upon approval of the CONSULTANT'S proposal by the DEPARTMENT and FHWA (if applicable), the DEPARTMENT will issue a Task Order Authorization to Proceed Letter. The CONSULTANT shall sign the Authorization to Proceed Letter and return it to the DEPARTMENT. A conference may be required to turn over a Task Order to the CONSULTANT. Costs associated with the CONSULTANT'S preparation of a scope of work and fee for a Task Order are non-reimbursable.

F. MATERIAL FURNISHED BY THE DEPARTMENT OF TRANSPORTATION

The DEPARTMENT will furnish the CONSULTANT with the appropriate materials (plan, profile, summary and cross-section sheets, etc.), in electronic and/or hardcopy format, as needed to perform the assigned work.

G. WORK SCHEDULE AND PROGRESS REPORTS

The CONSULTANT shall be aware that the services to be performed under this AGREEMENT will be on an as-needed basis. In addition, the CONSULTANT shall realize that emergency situations may arise that will require immediate response/action.

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Following approval of the contract by the Governor and Council, the CONSULTANT shall be available to begin performance of the services designated in the Contract promptly upon receipt from the DEPARTMENT of a Notice to Proceed Letter. Upon receipt of a Task Order Authorization to Proceed Letter, the CONSULTANT shall complete the services required for each Task Order without delay unless unable to do so for causes not under the CONSULTANT'S control.

It is imperative that close coordination between the CONSULTANT and the DEPARTMENT be maintained at all times so as to ensure compliance with the DEPARTMENT'S requirements for specific Task Orders.

The CONSULTANT'S sequence of operation and performance of the work under the terms of this AGREEMENT shall be varied at the direction of the DEPARTMENT to give priority in critical areas so that schedules and other STATE commitments, either present or future, can be met.

The CONSULTANT shall report progress monthly for each active Task Order with activity during the billing period, in accordance with the DEPARTMENT'S Standardized Invoicing.

H. SUBMISSION OF REPORTS, PLANS AND DOCUMENTS

Each submission shall be supplemented with such drawings, illustrations and descriptive matter as are necessary to facilitate a comprehensive review of proposed concepts.

Upon completion of the AGREEMENT, the CONSULTANT shall turn over all documentation, including, but not limited to, all reports, test results, drawings, plans, and all financial supporting documentation in their original format and in the format submitted to the DEPARTMENT.

I. DELIVERABLES

All work and supporting documents for Task Orders completed under this AGREEMENT shall be developed by the CONSULTANT and delivered to the DEPARTMENT according to the following formats:

Electronic Transfer of Data: The DEPARTMENT requires the following to ensure compatibility with software used by the DEPARTMENT and to ensure the efficient and timely exchange of computer files between the DEPARTMENT and the CONSULTANT.

All files submitted must be fully compatible with the formats listed in this document without any conversion or editing by the DEPARTMENT. Any files requiring conversion and/or editing by the DEPARTMENT will not be accepted. All files shall be virus free. All files shall use the DEPARTMENT'S file naming convention.

Computer Aided Design/Drafting (CAD/D) files: Any and all CAD/D-related work during the course of this project shall be performed in conformance with the DEPARTMENT'S CAD/D Procedures and Requirements in effect at the time of execution of this AGREEMENT, which will be coordinated on each assignment. All files submitted must be fully compatible with the current version

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of MicroStation being used by the DEPARTMENT. (The DEPARTMENT'S CAD/D Procedures and Requirements document can be found on the CAD/D website by following the "Downloads" link at www.nh.gov/dot/cadd/.)

Word Processing, Spreadsheet, and Database Files: For each Phase, all relevant files shall be provided in a format fully compatible, as appropriate, with the following:

Word Processing: Microsoft Word 2010 or NHDOT compatible version
Spreadsheets: Microsoft Excel 2010 or NHDOT compatible version
Databases: Microsoft Access 2003 or NHDOT compatible version

These specifications will be updated as necessary to reflect changes in DEPARTMENT software such as adding new software or updating to new versions of existing software. In such instances, the CONSULTANT will be promptly notified.

Computer File Exchange Media: Electronic files shall be exchanged between the DEPARTMENT and the CONSULTANT using the following media as appropriate for Windows Operating Systems:

Compact Disc (CD): Files on CD(s) should be actual size, not compressed.

DVD: Files on DVD(s) should be actual size, not compressed.

Email: Files 10 MB or smaller may be transferred via Email. If compressed, the files should be self-extracting and encrypted based on content.

Copies: The CONSULTANT shall provide hard (paper) and electronic copies of the deliverables for each Phase of Work. For all deliverables, provide electronic copies in two electronic versions; an electronic version in the original electronic file format (i.e., MicroStation (*.DGN), Microsoft Word (*.DOC), Microsoft Excel (*.XLS), etc.) and an electronic version in Adobe Acrobat (*.PDF) file format.

Website Information:

- a. Website Content: All external NHDOT websites created for Task Orders under this AGREEMENT shall meet the ADA Section 508 requirements as stated in the NH DoIT Website Standards. Those standards are outlined in <https://www.nh.gov/doit/vendor/documents/nh-website-standards.pdf>.
- b. Website Documents: All documents posted to a website created for Task Orders under this AGREEMENT, or that are submitted to be posted to a NHDOT website, shall meet ADA Section 508 accessibility requirements. A checklist for document compliance is provided in <https://www.section508.gov/content/build/create-accessible-documents> (go to second link down under "Checklists").

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J. DATE OF COMPLETION

The date of completion for the professional services rendered under this AGREEMENT is June 30, 2023 unless terminated earlier upon the depletion of the total amount payable under this AGREEMENT, or extended as allowed by the following provision:

No new tasks may be assigned after the above noted completion date, however, the CONSULTANT shall complete any tasks begun prior to the completion date, but not yet completed, in accordance with the methods of compensation specified in Article II and all other applicable portions and contractual requirements of this AGREEMENT. This shall be subject to the written mutual agreement of both parties, which shall include a revised Date of Completion to allow completion of the previously assigned work.

ARTICLE II

ARTICLE II - COMPENSATION OF CONSULTANT FOR ON-CALL SERVICES

A. AGREEMENT GENERAL FEE

In consideration of the terms and obligations of this AGREEMENT, the STATE, through the DEPARTMENT, hereby agrees to pay and the CONSULTANT agrees to accept as full compensation for the combined total cost of all work, expenses, and profit for Task Orders issued under this AGREEMENT, an amount not to exceed **\$250,000.00**. (The CONSULTANT shall note that no payments will be made for work, expenses, or profit, whether authorized or not, exceeding the **\$250,000.00** total amount.)

B. METHOD OF COMPENSATION FOR TASK ORDERS

The method of compensation for Task Orders issued under this agreement will either be a **Cost-Plus-Fixed-Fee** format with method of payment as described in Section C, or a **Lump-Sum** format with method of payment as described in Section D. A **Task Order Fee Summary** will be included in the DEPARTMENT-issued Authorization to Proceed for a Task Order.

C. COST-PLUS-FIXED-FEE FORMAT

1. **Task Order Cost Development** - The negotiated not-to-exceed cost of each cost-plus-fixed-fee format Task Order will be computed as follows:

$$\begin{aligned} & \text{Labor Costs [hours x average rates* + indirect cost rate x (hours x rates)]} \\ & + \text{Fixed Fee (negotiated amount)} \\ & + \text{Direct Expenses (estimated amount)} \\ & + \text{Subconsultant Costs (estimated amount or lump sum)} \\ & = \underline{\hspace{10em}} \\ & = \text{Negotiated Task Order Cost} \end{aligned}$$

* The average rates are the Average NHDOT Allowed Rates from the most-current version of the **Salary Rate Calculation Form** (see Article I Section C - Staffing).

2. **Task Order Cost Reimbursement** - In consideration of the terms and obligations of this AGREEMENT, the STATE, through the DEPARTMENT, hereby agrees to pay and the CONSULTANT agrees to accept as full compensation for all services rendered to the satisfaction of the DEPARTMENT for each Task Order an amount equal to the sum of the following costs (a)+(b)+(c)+(d)+(e):

- a. Actual salaries* approved by the DEPARTMENT paid to technical and other employees by the CONSULTANT, including salaries to principals, for the time such employees are directly utilized on work necessary to fulfill the terms of this AGREEMENT.

* In accordance with DEPARTMENT policy, the maximum direct-labor rate allowed for all positions under this AGREEMENT, including subconsultants, shall be \$60.00 per hour unless a waiver to the salary cap has been specifically approved for specialty services.

ARTICLE II

- b. Overhead costs applicable to the direct salary costs. The audited indirect cost rate of 162.44%, as submitted to and approved by the DEPARTMENT, will be applied to the direct salary costs. The CONSULTANT agrees that the indirect cost rate shall be extended at that rate for the duration of the Contract in accordance with 23 CFR 172.11 (b)(1)(vi). An overtime premium of one and one half times the direct labor rate for non-exempt employees working beyond the standard 40 hours per workweek may be allowed for special circumstances when approved by the DEPARTMENT in writing in advance. The overhead portion of non-exempt employees' salary rates shall not be adjusted. Engineers are not eligible for overtime premium rates.
- c. A fixed fee amount based on the estimated risk to be borne by the CONSULTANT [maximum 10.00% of Labor Costs (including overhead costs)] for profit and non-reimbursed costs.
- d. Reimbursement for direct expenses, including, but not limited to, subconsultants with a subcontract value of less than \$100,000, printing, reproductions and travel not included in normal overhead expenses. The reimbursable costs for mileage and for per diem (lodging and meals) shall be that allowed by the CONSULTANT'S established policy but shall not exceed that allowed in the Federal Acquisition Regulation (Subpart 31.205-46) and in the Federal Travel Regulation. Mileage and per diem costs shall be subject to approval by the DEPARTMENT. Subconsultants with a subcontract value of less than \$100,000 shall be invoiced as direct expenses and do not require individual invoices.
- e. Reimbursement for actual cost of subconsultants.

The amount payable under categories (a), (b), (d), and (e) may be reallocated within the not-to-exceed Task Order amount upon mutual agreement of the DEPARTMENT and CONSULTANT. The fixed fee (c) shall only change when there has been a significant increase or decrease in the scope of work. The estimated amounts for (a), (b), (d), and (e) and the actual amount for (c) are listed in the Fee Summary section of the Authorization to Proceed for each Task Order.

- 3. **Task Order Limitation of Costs** – The total amount to be paid for any Task Order shall not exceed the sum of the amounts shown in the Task Order Fee Summary limits contained in the Authorization to Proceed Letter. It is expected that the CONSULTANT agrees to use best efforts to perform the work specified in the Task Order Scope of Work and all obligations under this contract within such limiting amount.
- 4. **Task Order Payments** - Monthly payments on account may be made upon submission of invoices by the CONSULTANT to the DEPARTMENT. The CONSULTANT shall follow the

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DEPARTMENT'S Standardized Invoicing format. The fixed fee shall be invoiced during the billing period based upon the overall percent complete calculated within the approved progress report found in the DEPARTMENT'S Standardized Invoicing.

D. LUMP-SUM FORMAT

Task Order Cost Reimbursement - The negotiated total amount of each lump-sum format Task Order will be considered full compensation for all services for the Task Order performed to the satisfaction of the DEPARTMENT. Said lump-sum amount includes all labor, overhead, profit (maximum 15.00% of total labor + total overhead; based on the estimated risk to be borne by the CONSULTANT), direct expenses, and subconsultant costs. The CONSULTANT shall follow the DEPARTMENT'S Standardized Invoicing format. The lump-sum amount may only be adjusted (increased or decreased) if there is a significant change in the scope or character of the work, as determined by the DEPARTMENT. Any change to the lump-sum amount shall be documented in writing by a DEPARTMENT Bureau-level amendment. For a substantial lump-sum Task Order, the DEPARTMENT'S Lump Sum Article II for standalone agreements will be furnished to the CONSULTANT for additional reference information.

E. SUBCONSULTANT SUPPORTING SERVICES

Subconsultant Supporting Services were not anticipated during negotiations for this AGREEMENT.

Note: Subconsultants can be engaged at any time if needed for a Task Order, whether they were included in the CONSULTANT'S Technical Proposal or not. Subconsultant costs may be either negotiated as a not-to-exceed amount for each Task Order and reimbursed at actual cost or negotiated as a lump-sum amount. See Article IV.G – SUBLETTING for subconsultant Professional Liability Insurance information.

F. TASK ORDER AMENDMENTS

If revisions to a Task Order scope of work, and/or the fee summary or completion date included in the Task Order Authorization to Proceed is/are required, it shall be documented in writing by a DEPARTMENT Bureau-level amendment. The amendment will be filed with the Authorization to Proceed in the AGREEMENT.

G. RECORDS, REPORTS, AND FINAL AUDIT

The CONSULTANT shall maintain adequate cost records for all work performed under this AGREEMENT and all items charged on this project. All records 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 final payment is made and all other pending matters are closed, for examination by the STATE, Federal Highway Administration, or other authorized representatives of the Federal

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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).

For Cost-Plus-Fixed-Fee Task Orders only: All costs are to be determined by actual records kept during the term of the AGREEMENT, which are subject to Final Audit by the STATE and Federal Governments. The final payment, and all partial payments made, may be adjusted to conform to this Final Audit. In no case will any adjustments exceed the negotiated amount for any Task Order. All Subconsultant costs may also be subject to Final Audit by the STATE and Federal Governments.

ARTICLE III

ARTICLE III - GENERAL PROVISIONS

A. HEARINGS, ETC.

(Not applicable to this AGREEMENT)

B. CONTRACT PROPOSALS

(Not applicable to this AGREEMENT)

ARTICLE IV

ARTICLE IV - STANDARD PROVISIONS

A. STANDARD SPECIFICATIONS

The CONSULTANT agrees to follow the provisions of the Design Manuals, Standard Specifications for Road and Bridge Construction, and Standard Plans for Road and Bridge Construction of the DEPARTMENT; A Policy on Geometric Design of Highways and Streets and LRFD Bridge Design Specifications of the American Association of State Highway and Transportation Officials (AASHTO), and amendments thereto, and/or other professional codes or standards applicable to the services to be performed under this AGREEMENT. When a publication (including interim publications) is specified, it refers to the most recent date of issue in effect at the time of execution of this AGREEMENT.

B. REVIEW BY STATE AND FHWA - 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 2 Dedford Farms Drive, Suite 200, Bedford, 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. If no contract or contracts for construction of the project contemplated by this AGREEMENT is (are) entered into within two (2) years after satisfactory completion of the

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services outlined in Article I, all of the services contemplated by this AGREEMENT shall be deemed to have been completed. 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 therefor 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. When applicable, if during the term of this AGREEMENT, a revision of the alignment is ordered to the extent that the revised alignment will lie completely or partially outside the limit of the survey data plotted by the CONSULTANT (this does not apply to those adjustments and refinements to the alignments anticipated under the scope of work), or,
3. 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

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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, during the term of this AGREEMENT, additional professional services are required due to a revision in the limits of the project, or it becomes necessary to perform services not anticipated during negotiation, the DEPARTMENT may, in writing, order the CONSULTANT to perform such services, and the CONSULTANT shall be paid a fee in accordance with the provisions of Article II, Section B.

If, during the term of this AGREEMENT, additional professional services are performed by the CONSULTANT due to the fact that data furnished by the DEPARTMENT are not usable or applicable, the STATE will, upon written approval of the DEPARTMENT, reimburse the CONSULTANT for such additional design services in accordance with the provisions of Article II, Section B.

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". For subconsultants working on design, hazardous materials, geotechnical services, etc., the minimum limits of their professional liability

ARTICLE IV

(errors and omissions) insurance coverage shall be not less than \$2,000,000 in the aggregate, with a deductible of not more than \$75,000. For subconsultant contracts with less risk, e.g., wetland evaluations, materials inspection and testing, structural steel fabrication inspection, underwater bridge inspection, research, bridge deck condition surveys, land surveying, mapping, noise studies, air-quality studies, etc., the minimum limits of their professional liability (errors and omissions) insurance coverage shall be not less than \$1,500,000 in the aggregate, with a deductible of not more than \$50,000. For subconsultant contracts with no risk, e.g., archaeology, cultural resources, data gathering, traffic counting etc., professional liability insurance shall not be required. Subconsultants completing field exploration for geotechnical, hazardous materials/environmental, and subsurface exploration shall also have pollution liability insurance coverage not less than \$2,000,000 in the aggregate, with a deductible of not more than \$75,000. 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. 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 solicit or secure 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

ARTICLE IV

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 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

ARTICLE IV

modifications of the policy earlier than 30 days, or 10 days in cases of non-payment of premium, 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, retention (deductible) 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 this AGREEMENT. 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.

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.

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 ninety (90) 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. TITLE VI (NONDISCRIMINATION OF FEDERALLY-ASSISTED PROGRAMS) COMPLIANCE

During the performance of this AGREEMENT, the CONSULTANT, for itself, its assignees and successors in interest agrees as follows:

- (1) Compliance with Regulations: The CONSULTANT shall comply with Title VI of the Civil Rights Act of 1964 regulations relative to nondiscrimination in federally-assisted programs of the DEPARTMENT, such regulations entitled Title 49 Code of Federal Regulations, Part 21, as they may be amended from time to time (hereinafter referred to as the REGULATIONS), and which are herein incorporated by reference and made a part of this AGREEMENT.

ARTICLE IV

- (2) Nondiscrimination: The CONSULTANT, with regard to the work performed by it during the AGREEMENT, shall not discriminate on the grounds of race, color, religion, age, sex, handicap, sexual orientation, or national origin in the selection and retention of subconsultants, including procurements of materials and leases of equipment specific to this project. The CONSULTANT shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the REGULATIONS, including employment practices when the AGREEMENT covers a program set forth in Appendix B of the REGULATIONS.
- (3) Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the CONSULTANT for work to be performed under a subcontract, including procurements of materials or leases of equipment specific to the project, each potential subconsultant or supplier shall be notified by the CONSULTANT of the CONSULTANT'S obligations under this AGREEMENT and the REGULATIONS relative to nondiscrimination on the grounds of race, color, religion, age, sex, handicap, sexual orientation, or national origin.
- (4) Information and Reports: The CONSULTANT shall provide all information and reports required by the REGULATIONS or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the DEPARTMENT or the Federal Highway Administration to be pertinent to ascertain compliance with such REGULATIONS, orders and instructions. Where any information required of a CONSULTANT is in the exclusive possession of another who fails or refuses to furnish this information, the CONSULTANT shall so certify to the DEPARTMENT or the Federal Highway Administration, as appropriate, and shall set forth what efforts it has made to obtain the information.
- (5) Sanctions for Noncompliance: In the event of the CONSULTANT'S noncompliance with nondiscrimination provisions of this AGREEMENT, the DEPARTMENT shall impose sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
- (a) withholding of payments to the CONSULTANT under the AGREEMENT until the CONSULTANT complies; and/or
 - (b) cancellation, termination or suspension of the AGREEMENT, in whole or in part.
- (6) The CONSULTANT shall take such action with respect to any subcontract or procurement as the DEPARTMENT or the Federal Highway Administration may direct as a means of enforcing such provisions, including sanctions for noncompliance, provided, however, that in the event a CONSULTANT becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the CONSULTANT may request the DEPARTMENT to enter

ARTICLE IV

into such litigation to protect the interests of the STATE, and, in addition, the CONSULTANT may request the United States to enter into such litigation to protect the interests of the United States.

- (7) 23 CFR 710.405(b) and 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.
- (8) Incorporation of Provisions: The CONSULTANT shall include the provisions of paragraphs (1) through (7) in every subcontract, including procurements of materials and leases of equipment specific to the project, unless exempt by the REGULATIONS, or directives issued pursuant thereto.

In accordance with EXECUTIVE ORDER 11246, the DEPARTMENT has the authority and responsibility to notify the Office of Federal Contract Compliance Programs of the United States Department of Labor if they become aware of any possible violations of Executive Order 11246 and 41 CFR Part 60. The Office of Federal Contract Compliance Programs is solely responsible for determining compliance with Executive Order 11246 and 41 CFR Part 60 and the CONSULTANT should contact them regarding related compliance issues.

N. DISADVANTAGED BUSINESS ENTERPRISE POLICY AGREEMENT REQUIREMENTS

1. Policy. It is the policy of the United States Department of Transportation (USDOT) to ensure nondiscriminatory opportunity for Disadvantaged Business Enterprises (DBE's), as defined in 49 Code of Federal Regulations (CFR) Part 26, to participate in the performance of agreements and any subagreements financed in whole or in part with Federal funds. Consequently, the DBE requirements of 49 CFR Part 26 apply to this AGREEMENT.
2. Disadvantaged Business Enterprise (DBE) Obligation. The STATE and its Consultants agree to ensure nondiscriminatory opportunity for disadvantaged business enterprises, as defined in 49 CFR Part 26, 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 26 to ensure that disadvantaged business enterprises have the 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, religion, age, sex, handicap, sexual orientation, or national origin in the award and performance of agreements financed in whole or in part with Federal funds.
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 United States Department of Transportation, may result in termination of this AGREEMENT by the STATE or such remedy as the STATE deems appropriate.

ARTICLE IV

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).


Attachment 1

**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 X, proposed subconsultant _____, hereby certifies that it 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 X, 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.

Vanasse Hangen Brustlin, Inc.

(Company)

By: 

Managing Director

(Title)

Date: 3/13/2020

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 consultants and proposed subconsultants only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts that 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 consultants and subconsultants 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 consultant submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

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

Attachment 2

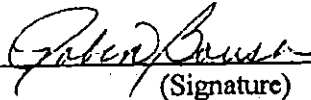
**CONSULTANT DISCLOSURE STATEMENT
FOR PREPARATION OF
ENVIRONMENTAL EVALUATIONS**

I hereby affirm that I have read and reviewed the Council on Environmental Quality (CEQ) regulation [40 CFR 1506.5(C)] and related guidance issued by CEQ and that pursuant thereto this firm has no financial or other interest in the outcome of this project.

I further hereby affirm that the information provided herein is true and correct and acknowledge that any knowingly false statement or false representation as to any material part contained herein may subject me to a fine and/or imprisonment, pursuant to pertinent provisions of the United States Code.

3/13/2020

(Date)



(Signature)

Attachment 3

CERTIFICATION OF CONSULTANT/SUBCONSULTANT

I hereby certify that I am the Managing Director and duly-authorized representative of the firm of Vanasse Hangen Brustlin, 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 consideration, 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 ineligible by any Federal agency within the past three years; (c) does not have a proposed debarment pending; and (d) has not been indicted, convicted or had 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 applies, 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.

3/13/2020

(Date)


(Signature)

Attachment 4


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, to:

- (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):

March 13, 2030
(Date)


(Signature)

Attachment 5

**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.

Attachment 6

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

Consultant

WITNESS TO THE CONSULTANT

By: [Signature]
Regional Finance Manager

Dated: 3/13/2020

CONSULTANT

By: [Signature]
Managing Director
(TITLE)

Dated: 3/13/2020

Department of Transportation

WITNESS TO THE STATE OF NEW HAMPSHIRE

By: [Signature]

Dated: March 13, 2020

THE STATE OF NEW HAMPSHIRE

By: [Signature]
Director of Project Development
for DOT COMMISSIONER

Dated: March 13, 2020

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: 4/21/20

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

VANASSE HANGEN BRUSTLIN, INC.

Certificate of Vote

**Statewide
On-Call Air Quality & Noise Services
42731**

I, Robert M. Dubinsky, hereby certify that I am the duly elected Clerk of Vanasse Hangen Brustlin, Inc.

I hereby certify the following is a true copy of Vote taken at a meeting of the Board of Directors of the Corporation, duly called and held on January 29, 2020, at which a quorum of the Board was present and voting.

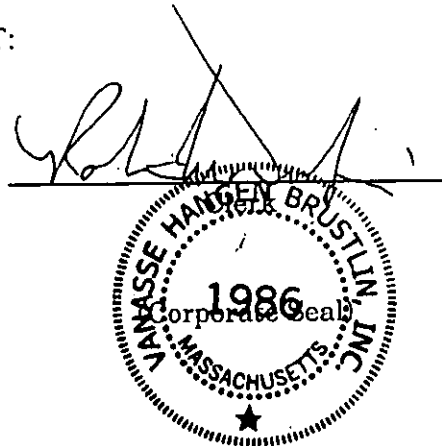
VOTED:

That Robin Bousa is Managing Director for Vanasse Hangen Brustlin, Inc. and is hereby authorized to execute professional services contracts, proposals and amendments in the name and behalf of Vanasse Hangen Brustlin, Inc., and affix its corporate seal thereto; and such execution of any professional service contract, proposal or amendment in this company's name on its behalf under seal of the company, shall be valid and binding upon this company.

I hereby certify that said vote has not been amended or repealed and remains in full force and effect as of this date, and that Robin Bousa is Managing Director for this Corporation.

ATTEST:

Date: March 13, 2020



State of New Hampshire

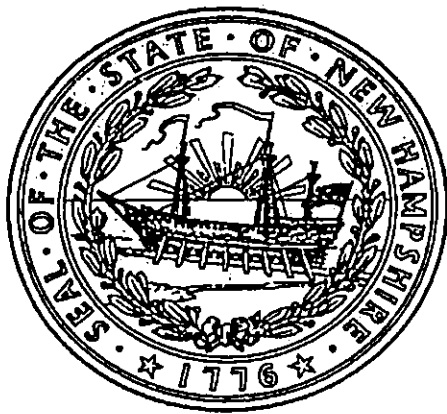
Department of State

CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that VANASSE HANGEN BRUSTLIN, INC. is a Massachusetts Profit Corporation registered to transact business in New Hampshire on December 11, 1986. I further certify that all fees and documents required by the Secretary of State's office have been received and is in good standing as far as this office is concerned.

Business ID: 104275

Certificate Number: 0004892977



IN TESTIMONY WHEREOF,

I hereto set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 15th day of April A.D. 2020.

A handwritten signature in black ink, appearing to read "Wm Gardner".

William M. Gardner
Secretary of State



VANAS-1

OP ID: CI

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/13/2020

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 have ADDITIONAL INSURED provisions or 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 781-245-5400 Poole Professional B&B of MA 107 Audubon Rd, #2, Ste 305 Wakofield, MA 01880 Christopher A. Poole		CONTACT Christopher A. Poole NAME: PHONE 781-245-5400 FAX 781-245-5463 (A/C, No, Ext): E-MAIL ADDRESS:	
INSURED Vanasse Hengen Brustlin Inc VHB Eng Surveying Landscapes Arch & Geology PC VHB Eng NC PC, Vanasse Hengen Brustlin LLC, VHB Metro DC LLC P.O. Box 9181 Watertown, MA 02471		INSURER(S) AFFORDING COVERAGE INSURER A: Transportation Insurance Co. NAIC # 20494 INSURER B: Safety Insurance Company 39454 INSURER C: Continental Casualty Company 20443 INSURER D: XL Specialty Insurance Company 37885 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	AOL SUBR (NSD) (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"/> Contractual Liab <input checked="" type="checkbox"/> Blanket Waiver GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X X	6018141932 NO DEDUCTIBLE XCU COVERAGE INCL	05/01/2019	05/01/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Val Paper \$ 1,500,000
C	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> 1501873 MA <input checked="" type="checkbox"/> SAFETY NOH	X X	6018203376	05/01/2019	05/01/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ 1,000,000 Medical Expense \$ 5,000
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X X	6018203362 FOLLOWS FORM	05/01/2019	05/01/2020	EACH OCCURRENCE \$ 14,000,000 AGGREGATE \$ 14,000,000
A	<input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> N/A	6017185236 ALL STATES LONGSHORE/HARB	05/01/2019	05/01/2020	<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	<input checked="" type="checkbox"/> Arch Eng Prof Liab Incl Pollution Liab		DPR9945121 FULL PRIOR ACTS	07/19/2019	07/19/2020	Per Claim \$ 5,000,000 Aggregate \$ 5,000,000

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

Project: Statewide On-Call Air Quality & Noise Services, 42731

Professional Liability Deductible: \$50,000

See Attached

CERTIFICATE HOLDER

NHDOT-1

New Hampshire Department
of Transportation
John O. Morton Building
7 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

NOTEPAD:

HOLDER CODE NHDOT-1
INSURED'S NAME Vanasse Hangen Brustlin Inc

VANAS-1
OP ID: CL

PAGE 2
Date 03/13/2020

Project: Statewide On-Call Air Quality & Noise Services, 42731

New Hampshire Department of Transportation is included as additional insured per written contract under the general, auto, and umbrella liability policies subject to same terms and conditions. Coverage is primary and non-contributory. Waiver of subrogation applies to indicated policies in favor of additional insured. 30 day notice of cancellation except 10 day notice for non-payment of premium.