



Victoria F. Sheehan  
Commissioner

William Cass, P.E.  
Assistant Commissioner

Bureau of Transportation Systems  
Management and Operations  
February 5, 2019

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 AECOM Technical Services, Inc., Manchester, NH, Vendor #263436, for an amount not to exceed \$750,000.00 for on-call engineering and support services for Intelligent Transportation Systems (ITS) initiatives statewide, effective upon Governor and Council approval, through March 31, 2022.

Funds to support this request are available in the following account in State FY 2019, and are contingent upon the availability and continued appropriation of funds in FY 2020, FY 2021, and FY 2022, with the ability to adjust encumbrances between State Fiscal Years through the Budget Office if needed and justified:

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>
04-096-96-963515-3054				
Consolidated Federal Aid				
046-500464 Gen Consultants Non-Benefit	\$63,000.00	\$252,000.00	\$252,000.00	\$183,000.00

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/or technical services and support for Intelligent Transportation Systems (ITS) initiatives being undertaken throughout New Hampshire. This work may include ITS Project Management oversight, preparing ITS strategic and concept master plans, ITS Architecture updates, recommending and designing ITS devices for deployment via fiber optics or other current technologies along various highways corridors, development of ITS standards, specifications, details and shop drawings, plan development, ITS communications systems recommendations and design, video enterprise solutions, Transportation Management Center technical support, as well as roadway design and structural design. The services also include recommendations for hardware, software, systems maintenance and the ability to provide technical inspection of installations, if required as well as technical support to the New Hampshire Department of Transportation's Transportation Management Center (TMC).

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 Statewide On-Call Intelligent Transportation Systems (ITS) Services contracts. The assignment was listed as a "Project Soliciting for Interest" on the Department's website on February 23, 2018, 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 April 12, 2018 for consideration and approval by the Assistant Commissioner. Upon receipt of that approval, five (5) shortlisted firms were notified on May 31, 2018 through a technical "Request For Proposal" (RFP). Committee members individually rated the firms' technical proposals on July 12, 2018 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. (A compilation of the completed individual rating ballots and the ranking summary form is attached.) The individual rankings were then totaled to provide an overall ranking of the five (5) 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 seven (7) consultant firms that were considered for this assignment, with the five (5) short-listed firms shown in bold, is as follows:

**Consultant Firm**

AECOM Technical Services, Inc.  
Gannett Fleming, Inc.  
Greenman-Pedersen, Inc.  
**Jacobs Engineering Group**  
**Kanaan Consulting US**  
**Vanasse Hangen Brustlin, Inc.**  
**WSP USA Inc.**

**Office Location**

**Manchester, NH**  
**Dedham, MA**  
**Portsmouth, NH**  
**Bedford, NH**  
**Cambridge, MA**  
**Bedford, NH**  
**Manchester, NH**

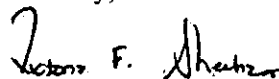
The firm of AECOM Technical Services, Inc. was recommended for one of the two contracts. This firm has an excellent reputation and has demonstrated their capability to perform the required services in previous similar contracts with the Department. Background information on this firm is attached. The second contract, with the firm of Vanasse Hangen Brustlin, Inc., is being processed separately.

AECOM Technical Services, Inc. has agreed to furnish the on-call services for an amount not to exceed \$750,000.00. 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 Intelligent Transportation Systems (ITS) Services 41979) 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 ITS Services (2 Contracts)**

**DESCRIPTION:** Two (2) Statewide On-Call Agreements, anticipated to have a maximum value of \$750,000 each over a three-year term, are needed to provide professional engineering/technical services and support for Intelligent Transportation System initiatives being undertaken by the Department for various transportation projects located throughout the State. The work associated with these agreements could include, but is not necessarily limited to, the following: ITS RFP/RFI, Contract documents, and plan preparation; Development of Incident Management Plans; Development of ITS Test Plans; ITS Project Management Oversight; Design of ITS device technologies for deployment via various communication technologies along state highway corridors; ITS device design, specifications, details, shop drawings, and plan development; ITS communications systems recommendations and design; Programmatic Shared Resource Fiber Optic Technology contract plan development; Enterprise Video Management System Development; Transportation Management Center technical support, as well as roadway design and structural design; Providing technical field inspections; ITS Technical Training; Connected and Autonomous Vehicle (CAV) research and assistance; Other ITS services as requested by the Department.

**Services Required: ITS, RDWY, STRC**

**SUMMARY**

AECOM Technical Services, Inc.	1	1	1	2	1	1	1	8
Jacobs Engineering Group, Inc.	4	4	4	3	3	3	4	25
Kanaan Consulting US, Inc. (KCUS)	5	5	5	5	5	5	5	35
Vanasse Hangen Brustlin, Inc.	2	2	3	1	2	2	3	15
WSP USA, Inc.	3	3	2	4	4	4	2	22

**EVALUATION OF TECHNICAL PROPOSALS**

Rating Considerations		Scoring of Firms				
	WEIGHT	AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanaan Consulting US, Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	20	15	15	20	15
Clarity of the Proposal	20%	20	19	15	18	15
Capacity to Perform in a Timely Manner	20%	18	15	10	20	15
Quality & Experience of Project Manager/Team	20%	18	18	12	20	16
Previous Performance	10%	10	8	7	9	7
Overall Suitability for the Assignment	10%	10	8	5	10	7
Total	100%	96	83	64	97	75

Ranking of Firms:

1. VHB
2. AECOM
3. Jacobs

4. WSP
5. KCUS

Rating Considerations		Scoring of Firms				
	WEIGHT	AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanaan Consulting US, Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	19	19	16	19	19
Clarity of the Proposal	20%	19	18	14	15	18
Capacity to Perform in a Timely Manner	20%	19	19	18	19	19
Quality & Experience of Project Manager/Team	20%	19	19	18	20	19
Previous Performance	10%	9	8	8	10	8
Overall Suitability for the Assignment	10%	9	8	8	9	9
Total	100%	94	91	82	92	92

Ranking of Firms:

1. AECOM
2. VHB
3. WSP

4. Jacobs
5. KCUS

# EVALUATION OF TECHNICAL PROPOSALS (continued)

Rating Considerations	W E I G H T	Scoring of Firms				
		AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanan Consulting U.S. Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	20	19	19	20	19
Clarity of the Proposal	20%	19	16	15	19	19
Capacity to Perform in a Timely Manner	20%	19	15	16	19	20
Quality & Experience of Project Manager/Team	20%	19	17	16	19	18
Previous Performance	10%	10	7	7	9	9
Overall Suitability for the Assignment	10%	9	7	6	8	8
Total	100%	96	81	79	94	93

Ranking of Firms:

1. AECOM
2. VHB
3. WSP

4. Jacobs  
5. KCUS

Rating Considerations	W E I G H T	Scoring of Firms				
		AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanan Consulting U.S. Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	20	16	15	16	17
Clarity of the Proposal	20%	20	16	15	17	17
Capacity to Perform in a Timely Manner	20%	20	17	15	18	19
Quality & Experience of Project Manager/Team	20%	20	17	15	18	19
Previous Performance	10%	10	8	7	9	10
Overall Suitability for the Assignment	10%	10	7	5	9	9
Total	100%	100	81	72	87	93

Ranking of Firms:

1. AECOM
2. WSP
3. VHB

4. Jacobs  
5. KCUS

Rating Considerations	W E I G H T	Scoring of Firms				
		AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanan Consulting U.S. Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	18	3	2	5	1
Clarity of the Proposal	20%	5	8	3	5	1
Capacity to Perform in a Timely Manner	20%	7	8	4	9	6
Quality & Experience of Project Manager/Team	20%	8	5	4	8	4
Previous Performance	10%	9	4	2	9	4
Overall Suitability for the Assignment	10%	8	6	3	9	5
Total	100%	96	39	19	45	33

Ranking of Firms:

1. AECOM
2. VHB
3. Jacobs

4. WSP  
5. KCUS

Rating Considerations	W E I G H T	Scoring of Firms				
		AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanan Consulting U.S. Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	18	17	15	15	16
Clarity of the Proposal	20%	16	18	15	16	16
Capacity to Perform in a Timely Manner	20%	18	16	17	19	17
Quality & Experience of Project Manager/Team	20%	18	18	17	19	18
Previous Performance	10%	10	9	7	10	8
Overall Suitability for the Assignment	10%	9	8	7	9	8
Total	100%	97	86	78	89	83

Ranking of Firms:

1. AECOM
2. VHB
3. Jacobs

4. WSP  
5. KCUS

Rating Considerations	W E I G H T	Scoring of Firms				
		AECOM Technical Services, Inc.	Jacobs Engineering Group, Inc.	Kanan Consulting U.S. Inc. (KCUS)	Vanasse Hangen Brustlin, Inc.	WSP USA, Inc.
Comprehension of the Assignment	20%	20	19	16	18	17
Clarity of the Proposal	20%	20	17	17	17	18
Capacity to Perform in a Timely Manner	20%	19	16	17	19	18
Quality & Experience of Project Manager/Team	20%	19	18	16	19	17
Previous Performance	10%	9	7	7	9	8
Overall Suitability for the Assignment	10%	9	7	7	8	9
Total	100%	96	84	80	90	91

Ranking of Firms:

1. AECOM
2. WSP

4. Jacobs  
5. KCUS

**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

AECOM Technical Services, Inc.

3. YR ESTABLISHED

1970

4. DUNS NUMBER

003184462  
(ATS HQ DUNS)

2b. STREET

250 Apollo Drive

5. OWNERSHIP

b. TYPE

Corporation

2c. CITY

Chelmsford

2d. STATE

MA

2e. ZIP CODE

01824-3627

b. SMALL BUSINESS STATUS

Large

6a. POINT OF CONTACT NAME AND TITLE

Rick Brannon, Jr., Senior Vice President, Region Business Line Leader

7. NAME OF FIRM (If block 2a is a branch office)

AECOM Technical Services, Inc.

6b. TELEPHONE NUMBER

978.905.2132

6c. E-MAIL ADDRESS

rick.brannon@aecom.com

8a. FORMER FIRM NAME(S) (If any)

Former name of AECOM Technical Services, Inc. (ATS): Earth Tech, Inc.  
Affiliated companies of ATS: AECOM, Inc. (formerly ENSR)

8b. YR. ESTABLISHED

AECOM, Inc.: 1968

8c. DUNS NUMBER

AECOM, Inc.: 085963908

**9. EMPLOYEES BY DISCIPLINE**

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
06	Architect	504	3
07	Biologist	250	7
08	CADD Technician	722	14
10	Chemical Engineer	152	17
11	Chemist	122	8
12	Civil Engineer	1433	82
15	Construction Inspector	887	2
16	Construction Manager	367	4
19	Ecologist	114	3
21	Electrical Engineer	315	8
23	Environmental Engineer	665	53
24	Environmental Scientist	1010	72
27	Foundation/Geotechnical Engineer	245	6
29	GIS Specialist	318	4
30	Geologist	659	25
42	Mechanical Engineer	294	7
47	Planner: Urban/Regional	285	8
57	Structural Engineer	680	11
58	Technician/Analyst	190	15
60	Transportation Engineer	691	10
62	Water Resources Engineer	460	5
	Other Employees	73,872	90
	Total (all AECOM entities)	84,035	454

**10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS**

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A05/A06	Airports; Terminals and Hangars; Lighting; Fueling	10
C15	Construction Management	10
C14	Conservation and Resource Management	9
C18	Cost Estimating; Cost Eng. & Analysis	8
D04	Design-Build - Preparation of RFPs	8
E02	Educational Facilities; Classrooms	9
E07	Energy Conservation; New Energy Sources	10
E09	Env. Impact Studies, Assessments or Statements	10
G01	Garages; Vehicle Maint. Facilities; Parking Decks	8
G04	GIS: Development, Analysis, & Data Conversion	8
H01	Harbors; Jetties; Piers; Ship Terminal Facilities	8
H03	Hazardous; Toxic; Radioactive Waste Remediation	10
H07	Highways; Streets; Airfield Paving; Parking Lots	10
M05	Military Design Standards	10
O01	Office Buildings; Industrial Parks	10
P06	Planning (Site, Installation & Project)	10
R06	Rehabilitation (Buildings; Structures; Facilities)	10
S05	Soils & Geologic Studies; Foundations	8
S09	Structural Design; Special Structures	8
S10	Surveying; Platting; Mapping; Flood Plain Studies	8
S11	Sustainable Design (subset of other categories)	10
T03	Traffic & Transportation Engineering	10
W03	Water Supply; Treatment & Distribution	10

**11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS**  
(Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

- |   |   |
|---|---|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 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

*Randal R. Castro*

b. DATE

November 28, 2016

Randal R. Castro - Senior Vice President, National Governments Market Sector Leader

## Chris Chaffee, PE, PTOE

### Project Manager

<b>Education:</b>	BS, Engineering and Public Policy	<b>Years of Experience:</b>
MEng, Advanced Infrastructure Systems	<b>Registrations:</b>	7
BS, Civil and Environmental Engineering	PE: NH, MA, RI	
	PTOE	

### Project Experience

**NHDOT TSMO Bureau, ITS On-Call Contract, Concord, NH.** Performing the duties of Deputy Project Manager and Senior ITS Engineer for ten task orders.

- Prepared test plans for the CCTV cameras, Dynamic Message Signs (DMS), and radar detectors including site, electrical, communications, and verification testing. Preparing additional test plans for Road Weather Information Systems (RWIS), fiber optical cable, and microwave radio communication.
- Wrote the Concept of Operations for deploying Intersection Conflict Warning System (ICWS), including detection, traffic signal equipment, and communications to the TMC. Conducted a pilot test to ensure proper functionality and failure identification. Developed ICWS typical drawings and special provisions.
- Authored the Concept of Operations document for the traffic signal connectivity with the TMC. Conducted stakeholder workshops to determine system needs and requirements. Conducted a pilot test with the Miovision Spectrum system for system monitoring and maintenance alerts.
- Designing a RWIS and DMS for a mainstreaming assignment including special provision, engineers estimate, construction drawings, and new typical details.
- Updating the 5-year ITS Strategic Plan including project development, work plan, and cost estimating. Developed project sheets for approximately 50 projects including descriptions, schedule, and cost.
- Developing the ITS Master Plan for the I-89 corridor. Conducted a site visit of the 60-mile corridor to determine existing conditions and site feasibility. Writing the draft report including deployment philosophy, corridor maps, site descriptions, device intent, and communications pathways.

- Performing submittal reviews for various ongoing ITS construction projects.

**New England Transportation Consortium, Connected Automated Vehicle Research.** Conducting a research project for cross-border issues in New England concerning connected and automated vehicles. Issues researched include legal and regulatory, infrastructure, operations, and data and technology. Conducted interviews with various stakeholders and industry experts from all six New England States and beyond. Facilitated a workshop with 30 individuals to discuss cross-border issues, plan a roadmap for addressing issues, and identify leadership roles and responsibilities. The final report will contain research and best practice elements as well as an action plan for the region.

**RIDOT Route 6 & Route 10 Interchange Design-Build, Providence, RI.** ITS lead responsible for developing plans and special provisions for a complete ITS design including 2.7 miles of new fiber optic cable, 15 existing devices, and 8 proposed devices. As part of a fast-paced design-build project, this effort involves coordination with the contractor, multiple disciplines, and other project stakeholders, and requires design flexibility and adaptation. Managed quality control procedures for the discipline review to ensure a complete, coherent, and effective deliverable. Successfully completed the 30% submittal including plans, details, and communications schematics for CCTV cameras, Dynamic Message Signs (DMS), and radar detectors. Performing the communications design including fiber splice plans and integration into the RIDOT Transportation Management Center (TMC).

**MassDOT, All Electronic Tolling - Sumner Tunnel ITS System, East Boston, MA.** As Lead Engineer, developed PS&E design plans, electrical and communications schematics, and cost estimate for the Overheight Vehicle Detection System and Swing Gate System for vehicles traveling south on

**Chris Chaffee, PE, PTOE continued**

Route 1A towards the Sumner Tunnel in East Boston. Incorporated two overheight detectors, five Variable Message Signs, seven Lane Control Signs, two CCTV cameras, nine swing gates, and their associated control, communications and power into the design. Performing construction phase services including submittal reviews and RFI responses.

**MassDOT, Central Artery/Tunnel Traffic Counting Study and Deployment, East Boston, MA.** Deputy Project Manager tasked with determining an automated technological solution for traffic volume data collection in MassDOT's downtown tunnels. Coordinated with the Highway Operations Center (HOC) and software designer regarding potential obstacles when integrating with the Integrated Traffic Management System (ITMS) software. Delivered a report summarizing all potential detection technologies and their associated costs, functionalities, and usability in a tunnel environment. Developed a Microsoft Excel tool that automatically analyzes and summarizes detector data into proper reporting format. Based on report findings, currently tasked with the design of a CCTV camera analytics solution.

**MBTA, Silver Line Gateway – Bus Operations Software Tool, Chelsea, MA.** Managed the team to develop a Java-based software application that serves as a decision support software tool for Silver Line buses, used when the Chelsea Street Lift Bridge impedes the typical bus route. The tool supports dispatcher decision making, quickly displaying estimated bridge lift duration and key routing information. This information is determined by algorithms that can be tweaked and refined based on expected vs. actual bus travel time data. Presented this unique project at the New England Intelligent Transportation Society annual meeting and at a Young Professionals in Transportation meeting. Currently performing software enhancements.

**Private Client, Wellington Circle Traffic Improvements, Medford, MA.** Created PS&E plans and cost estimate for signs, pavement markings, and traffic signals for Wellington Circle in Medford, one of the highest crash location roadway intersections in Massachusetts. Conducted a Road Safety Audit with various stakeholders that involved a site visit and record keeping of possible safety improvements. Authored the Road Safety Audit Report that was quickly approved and is currently available on the MassDOT website. Teamed with civil site designers

to develop new roadway geometry that best serves the operational needs of the intersection as well as the safety of all intersection users. Designed the traffic signal plans for three coordinated intersections, including a total of 63 traffic signal heads and 22 pedestrian signal heads.

**MassDOT/MBTA, Silver Line Gateway – Transit Signal Priority, Chelsea, MA.** Designed three new signalized intersections and updated one existing intersection to accommodate Bus Rapid Transit (BRT) transit signal priority and a new dedicated bus lane. Developed railway preemption at three new signalized intersections with redesigned commuter rail signals and detection. Intersections users included pedestrians, general traffic, BRT vehicles, and commuter rail trains. Coordinating regularly with the City of Chelsea, Contractors, MassDOT, and MBTA, handling all traffic design modifications and coordination issues with adjacent projects. Performing construction phase services including submittal reviews and RFI responses.

**MassDOT District 3, Backup Highway Operations Center, Worcester, MA.** As technical lead, authored a feasibility study report for implementing a Backup Highway Operations Center (HOC) including cost estimates for the physical control room as well as options for server hosting. Conducted a half-day workshop with the HOC, District 3, MassDOT ITS, architects, and AECOM experts to discuss best practices, system needs, functional requirements, and geographic safety. Performed site visits to location alternatives, noting available space, power, HVAC systems, and communications. Developed conceptual architectural designs for each alternative. MassDOT was able to select a backup location based on the draft report alone.

**Illinois Tollway ITS Database, Chicago, IL.** Designed the Illinois Tollway ITS asset database consisting of eleven related tables for device specifications, site information, and inspection details. Created an inspection form using VBA to accurately and efficiently populate the database in the field and link each site and device with their corresponding photographs. Built a Photo-Viewer tool to quickly look up photographs by roadway, site, or device type directly from the database. Generated summary statistical information and graphics that automatically update with new database records.

STATEWIDE ON-CALL  
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) SERVICES  
41979

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STATEWIDE ON-CALL  
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) SERVICES  
41979

AGREEMENT  
FOR PROFESSIONAL SERVICES

**PREAMBLE**

THIS AGREEMENT made this 12 day of Feb. in the year 2019 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 AECOM Technical Services, Inc. with principal place of business at 515 S. Flower St., Suite 1050, in the City of Los Angeles, State of California, and 1155 Elm Street, Suite 401, in the City of Manchester, 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/or technical services and support for Intelligent Transportation Systems (ITS) initiatives being undertaken by the DEPARTMENT throughout the STATE. These services are outlined in the CONSULTANT'S technical proposal dated June 26, 2018.

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 the following:

Provide engineering and/or technical services and support for Intelligent Transportation Systems (ITS) initiatives being undertaken by the DEPARTMENT throughout New Hampshire. The services provided by this agreement would include preparing ITS strategic and concept Master Plans, ITS Architecture updates, recommending and designing various ITS devices for deployment via fiber optics or other current technologies along various highways corridors, development of ITS standards, specifications, details and shop drawings, plan development, ITS communications systems recommendations and design, video enterprise solutions, Bureau of Transportation Systems Management and Operations (TSMO) Transportation Management Center (TMC) technical support, as well as roadway design and structural design. The services may also include making recommendations for hardware, software, systems maintenance, and providing technical inspection to the TMC.

#### **B. SCOPE OF WORK**

The DEPARTMENT is continuing the process of implementing ITS device technology initiatives around the State. These technologies may include Web/video cameras, adaptive traffic signal control systems, permanent and portable dynamic message signs, subprobe pavement sensors for temperature monitoring, traffic volume and vehicle weigh stations, ramp metering, 511 travel information, various travel time systems, as well as other technologies. This scope of service may also include developing RFI/RFP and contract documents and plan preparation, developing or reviewing incident management initiatives, developing/reviewing incident management protocols and traffic control plans, and developing/recommending/reviewing infrastructure improvements to support incident management initiatives.

This AGREEMENT may include the following types of work assignments:

- a) Review the existing infrastructure, determine ITS needs, and prioritize locations.
- b) The development of ITS plans including equipment layout and site placement.
- c) Developing CAD/D based typical ITS plans and details for ITS deployment, as well as preparing plans for detour route improvements.

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- d) The development of ITS Test Plans.
- e) Design of ITS device technologies for deployment via various communication technologies along state highway corridors, including roadway design and structural design as needed.
- f) ITS Project Management Oversight.
- g) Prepare/review technical specifications for ITS equipment and software.
- h) Programmatic shared resource fiber optic technology contract plan development
- i) Perform other engineering, photogrammetric, technical and/or drafting work as directed by the DEPARTMENT.
- j) Perform reviews of other consultant submissions.
- k) The development of communication infrastructure plans using wireless and fiber optic technologies.
- l) The development of data gathering infrastructure and reviews of said information.
- m) ITS construction support services, to include site visits, technical inspections, shop drawing review, specification reviews, and witness to field testing.
- n) Developing spreadsheet matrix for comparison of alternative scenarios in the evaluation of costs for ITS.
- o) ITS technical training.
- p) Development and presentation of workshops to orient groups of staff or local officials to train for Incident Management, ITS, and TMC Operations.
- q) TMC technical support.
- r) Coordination with other State's ITS and IMP initiatives as well as local Town and City initiatives.
- s) Connected and Autonomous Vehicle (CAV) research and assistance.
- t) Other ITS services as requested by the DEPARTMENT through TSMO.

### 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 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

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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.

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.

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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. 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.

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:** All CAD/D files shall be in accordance with the Deliverable Requirements described in the DEPARTMENT'S CAD/D Procedures and Requirements in effect at the time this AGREEMENT was executed, or any later version. All files submitted must be fully compatible with the current version 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/](http://www.nh.gov/dot/cadd/).)

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**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").

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 the formats described above.

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### J. DATE OF COMPLETION

The date of completion for the professional services rendered under this AGREEMENT is March 31, 2022 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 **\$750,000.00**. (The CONSULTANT shall note that no payments will be made for work, expenses, or profit, whether authorized or not, exceeding the **\$750,000.00** 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:

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

- \* 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.

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- b. Overhead costs applicable to the direct salary costs. The audited indirect cost rate of 136.85%, 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 customary professional 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

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the 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

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the Federal Government, and copies thereof shall be furnished if requested. Applicable cost principles are contained in the Federal Acquisition Regulation (FAR) in Title 48 of the Code of Federal Regulations (Subpart 31.2 and Subpart 31.105).

**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 1155 Elm Street, Suite 401, Manchester, NH.

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

#### C. EXTENT OF CONTRACT

##### 1. Contingent Nature of AGREEMENT

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

##### 2. Termination

The DEPARTMENT shall have the right at any time, and for any cause, to terminate the work required of the CONSULTANT by this AGREEMENT, by written notice of such termination provided to the CONSULTANT by the DEPARTMENT, and, in the event of such a termination of this AGREEMENT, without fault on the part of the CONSULTANT, the CONSULTANT shall be entitled to compensation for all work theretofore satisfactorily performed, pursuant to this AGREEMENT, such compensation to be fixed, insofar as possible, based upon the work performed prior to termination. If no contract or contracts for construction of the project contemplated by this AGREEMENT is (are) entered into within two (2) years after satisfactory

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completion of the 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



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liability (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**

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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

## ARTICLE IV

cancellation or 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 Contract. The duties, obligations and responsibilities of the parties to this AGREEMENT with respect to third parties shall remain as imposed by law. No portion of this AGREEMENT shall be understood to be a waiver of the STATE'S sovereign immunity.

### 5. Construction of AGREEMENT

This AGREEMENT is executed in a number of counterparts, each of which is an original and constitutes the entire AGREEMENT between the parties. This AGREEMENT shall be construed according to the laws of the STATE.

## 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

## ARTICLE IV

- 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.
- (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

## ARTICLE IV

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 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.

## ARTICLE IV

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.

### **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**

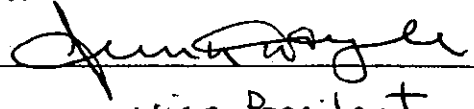
If the amount of the AGREEMENT or subcontract thereunder exceeds \$100,000, the CONSULTANT or subconsultant shall comply with applicable standards, orders or requirements issued under Section 306 of the Federal Clean Air Act (43 U.S.C. 1857(h)), Section 508 of the Federal Clean Water Act (33 U.S.C. 1368), 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 ✓, 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 ✓, 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.

AECOM Technical Services, Inc.  
(Company)

By:   
vice President  
(Title)

Date: 2/12/19

**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*

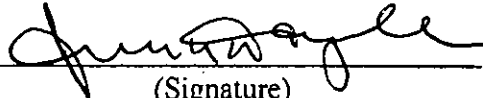
**CONSULTANT DISCLOSURE STATEMENT  
FOR PREPARATION OF  
ENVIRONMENTAL EVALUATIONS**

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.

2/12/19

(Date)



(Signature)



Attachment 3

CERTIFICATION OF CONSULTANT/SUBCONSULTANT

I hereby certify that I am the Vice President and duly-authorized representative of the firm of AECOM Technical Services, 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 ineligibility 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.

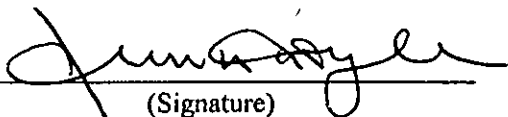
except as here expressly stated (if any):

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.

2/12/19

(Date)



(Signature)


**CERTIFICATION OF STATE DEPARTMENT OF TRANSPORTATION**

I hereby certify that I am the David Rodrigue  
**Director of Operations** 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):

2/15/19  
(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 9

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

Consultant

WITNESS TO THE CONSULTANT

By: David Penig  
Sr. Trans. Planner

Dated: 2/12/19

CONSULTANT

By: [Signature]  
vice President  
(TITLE)

Dated: 2/12/19

Department of Transportation

WITNESS TO THE STATE OF NEW HAMPSHIRE

By: Michelle Drown

Dated: 2/15/19

THE STATE OF NEW HAMPSHIRE

By: [Signature]

DOT COMMISSIONER  
Dated: 2/15/19

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: March 5, 2019

By: Emily C. King  
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

AECOM TECHNICAL SERVICES, INC.

CERTIFICATE OF ASSISTANT SECRETARY

The undersigned, Thomas Farina, hereby certifies that he is now and at all times relevant hereto has been the duly elected and acting Assistant Secretary of AECOM Technical Services, Inc., Inc., a California corporation, and that the following resolutions amending the Restated By-Laws of said corporation were duly adopted by Unanimous Action of the Board of Directors of this corporation on November 1, 2009:

RESOLVED that, Section 16 of Article IX of the Restated By-Laws of this Corporation be amended to read as follows:


"Section 16. CONTRACTS, LEGAL INSTRUMENTS, ETC., HOW EXECUTED. Any officer of this corporation holding the title of Senior Vice President or higher, or any other person designated by resolution of the Board of Directors, may execute contracts or other legal instruments on behalf of the corporation or its divisions."

The undersigned does further certify that the foregoing resolution has not been revoked, amended or modified, and is in full force and effect as of the date hereof.

The undersigned does further certify that, in accordance with Section 16, Article IX of the By-Laws of said corporation, the Board of Directors, has designated that James A. Doyle, Vice President, may execute contracts or other legal instruments ("Documents") on behalf of the corporation or its divisions, and more specifically Documents pertaining to the New Hampshire DOT Statewide On-Call ITS Services 41979.

IN WITNESS WHEREOF, The undersigned has executed this Certificate of Assistant Secretary and has affixed the corporate seal of this corporation this 12<sup>th</sup> day of February, 2019.

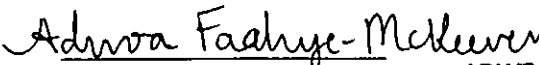
AECOM TECHNICAL SERVICES, INC.

By   
Thomas Farina, Assistant Secretary

(CORPORATE SEAL)

STATE OF NEW JERSEY     )  
  )ss:  
COUNTY OF PASSAIC     )

On this 12<sup>th</sup> day of February 2019 before me, a Notary Public in and for the State of New Jersey, personally appeared Thomas Farina who acknowledged himself to be the Assistant Secretary of AECOM Technical Services, Inc., and that he, as such Assistant Secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing his name as Assistant Secretary of the corporation.

  
Notary Public

ADWOA FAAKYE-MCKEEVER  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 10/26/2022

# State of New Hampshire

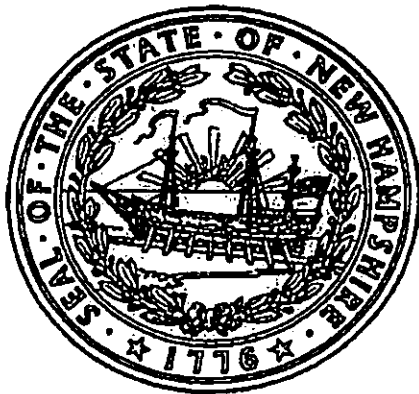
## Department of State

### CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that AECOM TECHNICAL SERVICES, INC. is a California Profit Corporation registered to transact business in New Hampshire on September 27, 1995. 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: 237154

Certificate Number: 0004204980



IN TESTIMONY WHEREOF,

I hereto set my hand and cause to be affixed  
the Seal of the State of New Hampshire,  
this 26th day of October A.D. 2018.

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

William M. Gardner  
Secretary of State



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
02/12/2019

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).

<b>PRODUCER</b> Marsh Risk & Insurance Services CA License #0437153 633 W. Fifth Street, Suite 1200 Los Angeles, CA 90071 Attn: LosAngeles.CertRequest@Marsh.Com CN101348564-STND-GAUE-18-19		<b>CONTACT</b> NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL: ADDRESS:	
02 2019		<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> AECOM AECOM Technical Services, Inc. 1155 Elm Street, Suite 401 Manchester, NH 03101		<b>INSURER A:</b> ACE American Insurance Company <b>INSURER B:</b> N/A <b>INSURER C:</b> Illinois Union Insurance Co <b>INSURER D:</b> SEE ACORD 101 <b>INSURER E:</b> <b>INSURER F:</b>	
		<b>NAIC #</b> 22667 N/A 27960	

**COVERAGES** **CERTIFICATE NUMBER:** LOS-002420193-02 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		HDO G71093669	04/01/2018	04/01/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		ISA H25157229	04/01/2018	04/01/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	SEE ACORD 101	04/01/2018	04/01/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	<b>ARCHITECTS &amp; ENG.</b> PROFESSIONAL LIAB.		EON G21654693 "CLAIMS MADE"	04/01/2018	04/01/2019	Per Claim/Agg \$ 2,000,000 Defense included

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

Re: Statewide On-Call Intelligent Transportation Systems (ITS) Services - 41979

The State of New Hampshire, Department of Transportation is named as additional insured for GL coverage, but only as respects work performed by or on behalf of the named insured and where required by written contract.

Professional Liability Deductible: \$75,000

<b>CERTIFICATE HOLDER</b> Department of Transportation, State of New Hampshire John O. Morton Building PO Box 483 7 Hazen Drive Concord, NH 03302-0483	<b>CANCELLATION</b>  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 of Marsh Risk & Insurance Services James L. Vogel
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AGENCY CUSTOMER ID: CN101348564

LOC #: Los Angeles



## ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Marsh Risk & Insurance Services		NAMED INSURED AECOM AECOM Technical Services, Inc. 1155 Elm Street, Suite 401 Manchester, NH 03101
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

## ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Workers Compensation/Employer Liability cont.

Policy Number	Insurer	States Covered
WLR C64788759	Indemnity Insurance Company of North America - NAIC # 43575	AOS
WLR C64788723	ACE American Insurance Company - NAIC # 22667	CA and MA
SCF C64788747	ACE American Insurance Company - NAIC # 22667	WI Retro
WCU C64788802	ACE American Insurance Company - NAIC # 22667	OH, Ohio Qualified Self Insured (QSI) - SIR: \$500,000; Only applicable to specific qualified entities self-insured in the state of Ohio