



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

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William Cass, P.E.
Assistant Commissioner

Bureau of Bridge Design
December 26, 2018

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 Jacobs Engineering Group, Inc., Bedford, NH (Vendor 176231), for a total amount not to exceed of \$220,314.45, for the preliminary design, public involvement process and associated environmental & cultural services for rehabilitation or replacement of the existing bridge carrying NH Route 12 over New Hampshire Railroad (abandoned) in the Town of Troy, effective upon Governor and Council approval through June 30, 2021. 100% Federal Funds.

Funding is available in State Fiscal Year 2019 and is contingent upon availability and continued appropriation of funds for FY 2020 and 2021 with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Funding is available as follows:	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
04-96-96-963515-3054			
Consolidated Federal Aid			
046-500463 Eng Consultants Non-Benefit	\$70,314.45	\$100,000.00	\$50,000.00

EXPLANATION

The Department requires professional engineering design and environmental consultant services to prepare preliminary design, public involvement process and associated environmental & cultural services for rehabilitation or replacement of the existing bridge carrying NH Route 12 over New Hampshire Railroad (abandoned) in the Town of Troy. Constructed in 1957; this two-span steel girder concrete deck bridge has a total length of 71.0 feet and a total width of 41.3 feet. It is on the Department's Red List of deficient structures. This project is shown in the 2019-2028 Ten Year Plan for construction (\$4.0M) in 2021.

The consultant selection process employed by the Department for this qualifications-based contract is in accordance with RSAs 21-1:22, 21-1:22-c and 21-1:22-d, all applicable Federal laws and the Department's "Consultant Selection and Service Agreement Procedures" dated December 1999. 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 Bridge Design, Environment, Highway Design, 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 preliminary engineering design and associated environmental services for the Troy 40370 and Troy 40371 bridge projects. The assignment was listed as a "Project Soliciting for Interest" on the Department's website on December 9, 2016, 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 February 9, 2017

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for consideration and approval by the Assistant Commissioner. Upon receipt of that approval, three shortlisted firms were notified on March 23, 2017 through a technical "Request For Proposal" (RFP). Committee members individually rated the firms on April 27, 2017 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, previous performance 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 three firms, and the Committee's ranking was submitted to the Assistant Commissioner for consideration and approval. Upon receipt of that approval, the short listed firms were notified of the results and the highest-ranking firm was asked to submit a fee proposal for negotiations.

The long list of nineteen (19) consultant firms that were considered for this assignment, with the three short-listed firms shown in bold, is as follows:

<u>Consultant Firm</u>	<u>Office Location</u>
AI Engineers	Middletown, CT
Becker Structural Engineers	Portland, Maine
BETA Group	Manchester, NH
C&C Consulting Engineers	Boston, MA
CHA Consulting, Inc.	Keene, NH
CLD Consulting Engineers	Manchester, NH
CMA Engineers, Inc.	Portsmouth, NH
DuBois & King Inc.	Laconia, NH
GM2 Associates, Inc.	Concord, NH
Hardesty & Hanover	Bedford, NH
HDR Engineering, Inc.	Manchester, NH
Holden Engineering & Surveying, Inc.	Concord, NH
Hoyle, Tanner & Associates, Inc.	Manchester, NH
Jacobs Engineering Group, Inc.	Bedford, NH
McFarland Johnson	Concord, NH
TEC (The Engineering Corp.)	Hampton, NH
T Y LIN International	Falmouth, ME
Vanasse Hangen Brustlin, Inc.	Bedford, NH
WSP / Parsons Brinckeroff, Inc.	Manchester, NH

The firm of Jacobs Engineering Group, Inc. has been recommended for this contract. This firm has a good reputation and has demonstrated their capability to perform the necessary engineering and technical services for this assignment. Background information on this firm is attached.

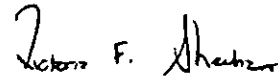
Jacobs Engineering Group, Inc. has agreed to furnish the required services for a total amount not to exceed of \$220,314.45. This is a reasonable fee and is commensurate with the complexity of the project and the scope of engineering and technical services to be furnished.

The project funding is 80% Federal Funds with 20% State match. Turnpike toll credit is being utilized for New Hampshire's match requirement, effectively using 100% Federal Funds.

This Agreement 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: Troy 40370 & Troy 40371

DESCRIPTION: These Federal Aid Projects include preliminary design, public involvement process, final design, and associated environmental & cultural review services for replacement or rehabilitation of the following bridges in the Town of Troy: Br. No. 089/114 carries NH 12 over South Branch Ashuelot River. It was constructed in 1941 and is a single span concrete rigid frame that has a total length of 36.0 feet and carries two lanes of traffic with a total width of 32.3 feet. Br. No. 096/091 carries NH 12 over NHRR (ABD). It was constructed in 1957, and is a two-span IBC bridge with a total length of 71.0 feet. It carries two lanes of traffic and two 5-foot sidewalks and has a total width of 41.3 feet. Both bridges are on the Department's Red List of deficient structures and have a target advertising date of Summer 2021 and is anticipated to be advertised separately. The scope of work for each bridge may include: Design alternatives for replacement or rehabilitation of the existing bridge; Replace bridge rail and approach rail; Perform Hydraulic Study, Scour, and Stream Crossing Assessment; Roadway design associated with the bridge rehabilitation/replacement; Traffic control design; Perform Boundary Survey, if required; Provide final bridge load rating, including NHDOT Bridge Rating Form 4; Public Involvement support services; Construction support services. Environmental efforts are needed to prepare and complete all appropriate environmental documentation, including cultural resource investigations and permitting, to satisfy NEPA section 106 and state requirements.

Services Required: BRDG, STRC, RDWY, ENV, HIST, HYD, PINV, TRAF, SURV

SUMMARY

CHA Consulting, Inc.	3	2	3	1	3	3		15
CLD Consulting Engineers, Inc.	2	3	1	3	2	2		13
Jacobs Engineering Group, Inc.	1	1	2	2	1	1		8

EVALUATION OF TECHNICAL PROPOSALS

Rating Considerations	WEIGHT	Scoring of Firms		
		CHA Consulting, Inc.	CLD Consulting Engineers, Inc.	Jacobs Engineering Group, Inc.
Comprehension of the Assignment	20%	16	17	18
Clarity of the Proposal	20%	17	17	18
Capacity to Perform in a Timely Manner	20%	16	17	18
Quality & Experience of Project Manager/Team	20%	16	18	19
Previous Performance	10%	7	9	10
Overall Suitability for the Assignment*	10%	7	8	9
Total	100%	80	86	92

*Includes: Proximity to project; usage, quality and experience of subconsultants proposed; relationships with municipalities or other third party.

- Ranking of Firms:
1. *Jacobs*
 2. *CLD*
 3. *CHA*

Rating Considerations	WEIGHT	Scoring of Firms		
		CHA Consulting, Inc.	CLD Consulting Engineers, Inc.	Jacobs Engineering Group, Inc.
Comprehension of the Assignment	20%	18	18	18
Clarity of the Proposal	20%	18	16	17
Capacity to Perform in a Timely Manner	20%	17	17	18
Quality & Experience of Project Manager/Team	20%	17	17	18
Previous Performance	10%	8	9	9
Overall Suitability for the Assignment*	10%	9	9	9
Total	100%	87	86	89

*Includes: Proximity to project; usage, quality and experience of subconsultants proposed; relationships with municipalities or other third party.

- Ranking of Firms:
1. *JACOBS*
 2. *CHA*
 3. *CLD*

EVALUATION OF TECHNICAL PROPOSALS (continued)

Rating Considerations	Scoring of Firms			
	WEIGHT	CHA Consulting, Inc.	CLD Consulting Engineers, Inc.	Jacobs Engineering Group, Inc.
Comprehension of the Assignment	20%	18	19	18
Clarity of the Proposal	20%	18	19	19
Capacity to Perform in a Timely Manner	20%	18	18	18
Quality & Experience of Project Manager/Team	20%	18	18	18
Previous Performance	10%	10	10	10
Overall Suitability for the Assignment*	10%	8	9	9
Total	100%	90	93	92

*Includes: Proximity to project; usage, quality and experience of subconsultants proposed; relation municipalities or other third party.

- Ranking of Firms:
1. CLD
 2. JACOBS
 3. CHA

Rating Considerations	Scoring of Firms			
	WEIGHT	CHA Consulting, Inc.	CLD Consulting Engineers, Inc.	Jacobs Engineering Group, Inc.
Comprehension of the Assignment	20%	18	16	17
Clarity of the Proposal	20%	19	17	19
Capacity to Perform in a Timely Manner	20%	19	17	19
Quality & Experience of Project Manager/Team	20%	17	18	18
Previous Performance	10%	8	9	5
Overall Suitability for the Assignment*	10%	10	9	9
Total	100%	91	86	87

*Includes: Proximity to project; usage, quality and experience of subconsultants proposed; relation municipalities or other third party.

- Ranking of Firms:
1. CHA
 2. JACOBS
 3. CLD

Rating Considerations	Scoring of Firms			
	WEIGHT	CHA Consulting, Inc.	CLD Consulting Engineers, Inc.	Jacobs Engineering Group, Inc.
Comprehension of the Assignment	20%	18 1/2	18 1/2	18 1/2
Clarity of the Proposal	20%	18 1/2	18 1/2	18 1/2
Capacity to Perform in a Timely Manner	20%	17 1/2	19 1/2	19 1/2
Quality & Experience of Project Manager/Team	20%	17 1/2	18 1/2	19 1/2
Previous Performance	10%	8 1/2	9 1/2	5 1/2
Overall Suitability for the Assignment*	10%	8 1/2	8 1/2	9 1/2
Total	100%	88 1/2	90 1/2	92 1/2

*Includes: Proximity to project; usage, quality and experience of subconsultants proposed; relation municipalities or other third party.

- Ranking of Firms:
1. Jacobs
 2. CLD
 3. CHA

Rating Considerations	Scoring of Firms			
	WEIGHT	CHA Consulting, Inc.	CLD Consulting Engineers, Inc.	Jacobs Engineering Group, Inc.
Comprehension of the Assignment	20%	18	18	18
Clarity of the Proposal	20%	18	18	18
Capacity to Perform in a Timely Manner	20%	18	18	18
Quality & Experience of Project Manager/Team	20%	15	18	18
Previous Performance	10%	8	9	9
Overall Suitability for the Assignment*	10%	8	8	9
Total	100%	88	89	90

*Includes: Proximity to project; usage, quality and experience of subconsultants proposed; relation municipalities or other third party.

- Ranking of Firms:
1. Jacobs Engineering Group, Inc
 2. CLD Consulting Engineers, Inc
 3. CHA Consulting, Inc

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ATTACHMENTS

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

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AGREEMENT
FOR PROFESSIONAL SERVICES

PREAMBLE

THIS AGREEMENT made this 22 day of Jan. 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 Jacobs Engineering Group Inc., with principal place of business at 1111 S. Arroyo Parkway, in the City of Pasadena, State of California, and NH Branch Office at Two Executive Park Drive, in the Town of Bedford, State of New Hampshire, hereinafter referred to as the CONSULTANT, witnesses that:

The Department of Transportation, State of New Hampshire, hereinafter referred to as the DEPARTMENT, proposes to rehabilitate or replace the Red List bridge (Br. No. 096/091) carrying NH Route 12 over NH Railroad (Abd) in the Town of Troy.

The DEPARTMENT requires professional engineering consulting services for the preparation of environmental documents, bridge plans, roadway plans, and other project plans as needed to progress through the permitting and public hearing process for this project. These services are outlined in the CONSULTANT'S Scope of Work and Fee Proposal dated December 20, 2018, which is hereby adopted by reference and considered to be part of this AGREEMENT.

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. LOCATION AND DESCRIPTION OF PROJECT

This project involves rehabilitation or replacement of the Red List bridge (Br. No. 096/091) carrying NH 12 over NH Railroad (Abd) in the Town of Troy. Constructed in 1957, this two-span IBC bridge has a total length of 71.0 feet. It carries two lanes of traffic and two 5-foot sidewalks and has a total width of 41.3 feet. The 2013 AADT is 7100 vehicles with 7% truck traffic. The bridge is on the State's Red List and is scheduled to advertise August 2021. All plans, calculations, etc. shall be submitted using English Units.

B. SCOPE OF WORK (GENERAL)

The purpose of this project is: 1) Part "A", to study and prepare preliminary engineering plans suitable for a Public Information Meeting(s), Design Public Hearing (if needed), and completion of NEPA documentation; and; 2) Part "B", to prepare final plans, specifications and estimates for the bridge rehabilitation and associated roadway improvement contract. Part "B" is not included in this scope of work.

Assuming a successful completion of Part "A", the DEPARTMENT reserves the right to either negotiate a scope and fee for Part "B", or terminate the Contract.

The rehabilitated or replacement structure is anticipated to accommodate a minimum of 2-lanes of traffic (one in each direction) with shoulders.

The following general tasks are included in Part "A":

- Preliminary design for replacement or rehabilitation of the bridge
- Preliminary design of roadway approaches as needed to accomplish the proposed work
- Develop preliminary Traffic Control Plan that is acceptable and economical for travelers
- Environmental efforts for documentation to comply with the National Environmental Policy Act (NEPA) (including Cultural Resource investigations in accordance with Section 106 of the National Historic Preservation Act) and the identification of any permitting requirements.
- Perform Boundary Survey, if required
- Assist the Department in the public involvement process, including preparation of illustrative plans and exhibits for any meetings

ARTICLE I

C. SCOPE OF WORK (PRELIMINARY ENGINEERING)

The CONSULTANT shall be responsible for developing engineered alternatives through an iterative process of design and review involving the DEPARTMENT, STATE, and Federal environmental resource agencies, regional planning commissions, the local community, and the public. The work requires the development and refinement of engineering plans and technical documentation in accordance with the following criteria and involving the following work efforts:

1. Engineering Criteria

The CONSULTANT shall follow appropriate engineering criteria based on the latest AASHTO Policy on Geometric Design of Highways and Streets, AASHTO LRFD Bridge Design Specifications, NHDOT Highway Design Manual, and NHDOT Bridge Design Manual, as amended. Engineering shall take into account the functional classification of the roadways being addressed; volumes of traffic; methods of construction; erosion control; traffic control; cost; right-of-way needs and impacts to private property; and environmental constraints and the need to avoid or minimize impacts to environmental resources.

2. Design Site Reviews

The CONSULTANT to supplement available data, and to become familiar with the bridge and Waukegan Road as well as the adjoining roadway network anticipated to be affected shall perform on-site field reconnaissance of existing conditions within the study area. These field investigations shall be used to evaluate the feasibility of proposed improvements.

3. Technical Reports

The CONSULTANT shall prepare Technical Reports to address engineering issues that, to varying degrees, will be incorporated into the Draft Environmental document (Categorical Exclusion anticipated) serving as the major milestones during the various phases of the study process. Technical support and writing shall be required to address the engineering aspects of the study as required to supplement and complete environmental documentation. In addition, an Engineering Report explaining in summary fashion all pertinent issues, recommendations and decisions relative to the design as proposed shall be required.

4. Public Participation

The study shall require that the CONSULTANT be available to supplement the public participation process, in accordance with the DEPARTMENT'S Public Involvement Process for New Hampshire Transportation Improvement Projects. The CONSULTANT shall prepare presentation graphics, handouts and support displays, and be available to make presentations.

ARTICLE I

D. MATERIAL FURNISHED BY THE DEPARTMENT OF TRANSPORTATION

The DEPARTMENT will furnish the following data to the CONSULTANT:

1. Electronic files in English Units of the following information in accordance with the DEPARTMENT'S CAD/D Procedures and Requirements for incorporation into the plans by the CONSULTANT:
 - a. All existing survey and baseline data on disk or tape, field notes, and note reductions in the format outlined in the current DEPARTMENT CAD/D Procedures and Requirements. An electronic ground model shall be provided, if available, along with all existing information that can be used to create a model (ASCII point file, SDR data files, etc.).
 - b. Electronic survey-data-file notes (meaning an unprocessed, survey-data dump) of all additional surveys requested by any party during the design process. The CONSULTANT shall be responsible for the reduction, editing, and incorporation of this data into the ground-terrain model and the plans. This data will be provided in a format as indicated in paragraph 1.a. above. Upon completion, the CONSULTANT shall confirm that the survey is correct by conducting appropriate field inspections.
 - c. Electronic preliminary horizontal and vertical alignments for the project limits as envisioned. This data will be in MX-format and coordinate (x, y, z) data (ASCII) format, in accordance with the DEPARTMENT'S CAD/D Procedures and Requirements.
 - d. Any additional surveys of adjacent parcels, mitigation sites, wetland boundaries, or other pertinent items deemed necessary and processed by the DEPARTMENT. Incorporation of this information into the ground terrain model and plans shall be the responsibility of the CONSULTANT.
 - e. Electronic drawings in MicroStation format of roadway typical cross-sections and other detail sheets shall be provided, when available from the DEPARTMENT'S CAD/D library, upon request by the CONSULTANT, in accordance with the current DEPARTMENT CAD/D Procedures and Requirements.
 - f. Electronic drawings in MicroStation format of the existing underground utilities, if provided to the DEPARTMENT by the utility. The CONSULTANT shall be prepared to provide an electronic copy of preliminary base plans to the DEPARTMENT for use by the utilities. The CONSULTANT shall be responsible for the incorporation of this information (either in paper or electronic format) into the plans, in accordance with the current DEPARTMENT CAD/D Procedures and Requirements.
2. Latest structural inspection report, data, and photos of the bridge

ARTICLE I

3. Prints of the following information, for incorporation into the plans by the CONSULTANT:
 - a. Existing bridge and highway plans
 - b. All survey data and field notes of all surveys requested by any party during the design process. The CONSULTANT shall be responsible for the incorporation of this data into the plans.
 - c. Any additional surveys of adjacent parcels, mitigation sites, wetland boundaries, or other pertinent items deemed necessary. Incorporation of this information into the plans will be the responsibility of the CONSULTANT.
 - d. Roadway typical sections and other detail sheets shall be provided upon request by the CONSULTANT.
4. Prints of the following information:
 - a. Any additional information (e.g., abstracting, utilities, etc.) for the CONSULTANT to incorporate into the plans in conformance with the current DEPARTMENT CAD/D Procedures and Requirements.
 - b. Available critical cross-sections within the current limits of ground data.
5. Prints and data-exchange files of existing conditions not previously provided to the CONSULTANT. Reduction and incorporation of this material shall be the responsibility of the CONSULTANT.
6. Right-of-way data, property lines and parcel owners in CAD/D (abstracting completed by NHDOT electronically), which shall then be incorporated by the CONSULTANT into the plans.
7. All required permits. The CONSULTANT shall be responsible for plans and computations for impacted areas. These plans shall provide all necessary data, area hatching (according to DEPARTMENT standards) and detail so that these plans can be forwarded to the respective regulatory agencies as appropriate attachments for the permit applications.
8. The location of all existing utilities through direct contact with the various utility companies. Following the determination by the CONSULTANT of all unavoidable conflicts between existing utilities and the proposed construction, the DEPARTMENT will coordinate the necessary relocation of the conflicting utilities. The CONSULTANT shall be prepared to furnish CAD/D files in the current DEPARTMENT format to the DEPARTMENT for use in assisting utilities' design.
9. The pavement marking description, layout, item numbers, item descriptions and quantities will be provided to the CONSULTANT for inclusion into the plan set(s).
10. Geotechnical information if required (currently being done by DEPARTMENT).

ARTICLE I

E. WORK SCHEDULE AND PROGRESS REPORTS

The CONSULTANT shall begin performance of the services designated in the Contract promptly upon receipt from the DEPARTMENT of a Notice to Proceed and the material to be furnished as herein described. The CONSULTANT shall complete these services without delay unless unable to do so for causes not under the CONSULTANT'S control.

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 develop an acceptable reporting system capable of indicating project status on at least a monthly basis for all critical activities of the project. The CONSULTANT shall submit monthly progress reports to the DEPARTMENT, giving the percentage of completion of the work required by this AGREEMENT. These monthly progress reports shall be received by the DEPARTMENT by the 10th day of each month.

F. SUBMISSION OF REPORTS, PLANS AND DOCUMENTS

During the prosecution of this AGREEMENT, the CONSULTANT shall prepare and submit to the DEPARTMENT separate submissions as described hereinafter.

The submissions shall be as necessary in accordance with the study process and Environmental analysis as outlined above. Each submission shall be supplemented with such drawings, illustrations and descriptive matter as are necessary to facilitate a comprehensive review of proposed concepts. All plans, calculations, etc. shall be submitted using English Units.

The CONSULTANT will be expected to support their design proposals and any issues resulting from review by the DEPARTMENT or in the public participation phase, (including agency coordination), with alternative studies and reasonably itemized study cost comparisons for alternate concepts.

The CONSULTANT'S final submission shall include hard copy of a colored geometric base plan annotated to depict all geometric elements of the proposed layout (dimensions, tapers, corner radii, driveway matches, curve data, stationing, significant design controls, special or non-standard elements etc), profiles, and full series of cross sections of the recommended concept, as well as CAD/D files for all plans. The cross sections should support the impacts shown on the Hearing Plan, include all drive sections, and be annotated as needed to convey design intent. The CAD/D files shall conform to the DEPARTMENT'S CAD/D Procedures and Requirements. The CONSULTANT shall also furnish coordinate summary of all survey control points with a corresponding plot of controls and alignments (including all curve data) superimposed over the detail plan as appropriate.

The CONSULTANT, with each submission, shall submit a transmittal describing the "design issues" addressed in that submission. In addition, the transmittal shall include anticipated or outstanding issues and the CONSULTANT'S recommendation. All issues shall be noted as to whether the CONSULTANT feels

ARTICLE I

the issue is within the scope of work described in Article I. Meetings between the CONSULTANT and the DEPARTMENT shall be held prior to submissions to discuss design issues and recommendations.

All plan drawings, including size of sheets, lettering, symbols and scale of said drawings, shall conform with the requirements and standards of the DEPARTMENT. Any and all CAD/D-related work completed during the course of this project shall be performed in conformance with the DEPARTMENT'S CAD/D Procedures and Requirements.

G. DATE OF COMPLETION

In accordance with the Governor and Council Resolution authorizing this AGREEMENT, the date of completion for the professional services rendered under this AGREEMENT is **June 30, 2021**.

ARTICLE II

ARTICLE II - COST PLUS FIXED FEE COMPENSATION OF CONSULTANT

A. 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 all services rendered to the satisfaction of the DEPARTMENT under this AGREEMENT (except as otherwise herein provided) an amount equal to the sum of the following costs:

1. Actual salaries* approved by the DEPARTMENT paid 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. A list of those personnel working on the project with their classifications and current salary rates shall be submitted to the DEPARTMENT for approval. The rates of any additional personnel working on the project, if any, shall require written approval of the DEPARTMENT prior to working on the project. The CONSULTANT shall submit classifications and rates for any additional personnel a minimum of 14 days prior to using the additional personnel.

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

2. Costs that are directly applicable to the salaries, salary burden, and direct and indirect costs, including administration costs. These costs may be applied to only straight time salary extensions where overtime is employed. These amounts shall be based on actual costs to the CONSULTANT for such items during the period of the AGREEMENT and those allowable in accordance with the applicable cost principles contained in Federal Acquisition Regulations Subpart 31.2 and Subpart 31.105. Further, any overtime required for this project shall have the prior written approval of the DEPARTMENT.
3. A fixed fee amount as shown in Article II, Section B for profit and non-reimbursed costs.
4. Reimbursement for direct expenses, including work performed by other parties, such as borings, laboratory tests, field survey, special electronic computer services, services of other specialists, printing, photogrammetry, traffic counts, 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 Regulations (Subpart 31.205-46) and in the Federal Travel Regulations. The General Services Administration (GSA), Regulation 41 CFR Part 301-4, specifies the FTR automobile mileage reimbursement. Mileage and per diem costs shall be subject to approval by the DEPARTMENT.

ARTICLE II

All costs as described in the foregoing paragraphs are to be determined by actual records kept during the term of the AGREEMENT which are subject to 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 total amount to be paid shown in the following paragraph and in Article II, Section C.1. All Subconsultant costs may also be subject to audit by the STATE and Federal Governments.

The total amount to be paid under this AGREEMENT shall not exceed \$220,314.45 the sum of the amounts shown in Article II, Section B (which amount is based on the CONSULTANT'S fee and manhour estimates of December 20, 2018), except by agreement of all parties made after supplemental negotiations. Should circumstances beyond the control of the CONSULTANT require extension of the time of completion more than one (1) year, the general fee may be renegotiated; however, the fixed fee (b) shall not change for reasons of work duration alone. The fixed fee (b) shall only change when there has been a significant increase or decrease in the scope of work outlined in this AGREEMENT.

All salaries and increases thereof paid to technical or other employees assigned to this project shall be the result of a company-wide evaluation of all employees and shall not be restricted to employees assigned to this project.

If, in the opinion of the DEPARTMENT, any salary or increase thereof of engineering or technical personnel assigned to this project is unreasonable, it shall notify the CONSULTANT of its opinion with regard thereto and request the CONSULTANT to justify said salary or increase thereof. In the event that the CONSULTANT furnishes justification satisfactory to the DEPARTMENT for said salary or increase thereof, then such salary or increase thereof shall be approved as a payroll expense.

The DEPARTMENT shall have the right to exercise the power of review and approval of salary increases thereof, for a period of thirty (30) days after the submission of a monthly invoice by the CONSULTANT. Unless the DEPARTMENT notifies the CONSULTANT in writing during the thirty-day period that such salary increase thereof is, in its opinion, unreasonable, such lack of notice shall constitute approval of said salary increase thereof from the first day of the preceding month.

The DEPARTMENT shall have the right, at the time of audit, to review all items charged to overhead on this project. If, in the opinion of the DEPARTMENT, such payment is unreasonable, the CONSULTANT shall be required to justify such payment or payments before they will be approved as direct or indirect cost.

The CONSULTANT shall maintain adequate cost records for all work performed under this AGREEMENT. All records and other evidence pertaining to cost incurred shall be made available at all reasonable times during the contract period and for three (3) years from the date of final voucher payment for examination by the STATE and copies thereof shall be furnished if requested.

ARTICLE II

B. SUMMARY OF FEES

The STATE, through the DEPARTMENT, hereby agrees to pay and the CONSULTANT agrees to accept as full compensation the following:

- a. Actual CONSULTANT'S salaries*, costs applicable to actual salaries, salary burden (direct and indirect) and administrative costs attributable to overhead, the sum of which is estimated at \$141,633.52. For billing purposes, salary burden and overhead costs are currently estimated at 102.20% of actual salaries.
- b. A fixed fee to cover profit and non-reimbursed costs at \$14,163.35.
- c. Reimbursement for direct, out-of-pocket expenses estimated at \$10,812.29.
- d. Reimbursement for actual cost* of subconsultants estimated as follows:
 - Comprehensive Environmental, Inc. \$ 53,705.29

The actual amount payable under each category (a), (c) and (d) is only estimated and shall be changed only upon mutual agreement of the DEPARTMENT and CONSULTANT.

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

C. LIMITATION OF COSTS

1. Costs incurred against this AGREEMENT shall not exceed \$220,314.45 unless otherwise authorized. The CONSULTANT shall give the DEPARTMENT a ninety (90)-day written notice when it appears that this limit will be exceeded.
2. It is expected that the total cost to the STATE shall be the cost set forth under Article II, Section A, and the CONSULTANT agrees to use his best efforts to perform the work specified in the AGREEMENT and all obligations under this contract within such limiting amount.
3. The STATE shall not be obligated to reimburse the CONSULTANT for costs incurred in excess of the limiting amount set forth in Article II, Section A.
4. Change orders issued under this contract shall not be considered an authorization to the CONSULTANT to exceed the limiting amount set forth in the Summary in the absence of a statement in the change order, or other contract modifications, increasing the limiting amount.

ARTICLE II

D. PAYMENTS

Payments on account of services rendered under this AGREEMENT shall be made as follows:

1. Monthly payments on account may be made upon written request of the CONSULTANT. Detailed vouchers shall include certification of man-hours of effort by employee classification and actual salaries and other costs incurred accompanied by satisfactory evidence of work performed during the period. Actual salaries paid and percentage factor shown in Article II, Section B, part (a) as well as for all approved subconsultants, including those listed in part (d) of Section B, shall be used until such time as true costs of salary burden and overhead are fixed by audit. At that time, payments shall be adjusted to agree with the percentage factors as determined by audit for the period in which the work was performed, as approved by the DEPARTMENT. The fixed fee shall be invoiced during the billing period based upon the overall percent complete of the project's scope of work as approved by the DEPARTMENT.
2. The CONSULTANT shall submit a final voucher upon completion of services required by this AGREEMENT, which includes any unbilled portion of the allowable costs or fixed fee and adjustments, if necessary, for audited actual costs and deliver all required plans, documents and records.

ARTICLE III

ARTICLE III - GENERAL PROVISIONS

A. HEARINGS, ETC.

The DEPARTMENT will make all arrangements for and hold all necessary hearings in connection with the project, if necessary.

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 by 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 at Two Executive Park Drive, Bedford, NH.

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

C. EXTENT OF CONTRACT

1. Contingent Nature of AGREEMENT

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

2. Termination

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

ARTICLE IV

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, employees, 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 by the DEPARTMENT 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,

ARTICLE IV

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 perform services other than those necessary 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 by 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.

ARTICLE IV

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 wetland evaluations, mapping, noise studies, and air-quality studies, the minimum limits of their professional liability (errors and omissions) insurance coverage shall be not less than \$1,500,000 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 \$25,000. 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.

ARTICLE IV

J. CONTRACTUAL RELATIONS

1. Independent Contractor

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

2. Claims and Indemnification

a. Non-Professional Liability Indemnification

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

b. Professional Liability Indemnification

The CONSULTANT agrees to 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

ARTICLE IV

extend for not less than three years from the date of substantial completion of the construction contract. No retention (deductible) shall be more than \$75,000; and

4. Workers' compensation and employer's liability insurance as required by law.

b. Proof of Insurance

The policies described in paragraph (a) of this section and Section G shall be in the standard form employed in the STATE, issued by underwriters licensed or approved by the Department of Insurance of the STATE. Each policy shall contain a clause prohibiting cancellation or modifications of the policy earlier than 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 one or more of the completion dates specified in this AGREEMENT cannot be met, 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.

ARTICLE IV

M. TITLE VI (NONDISCRIMINATION OF FEDERALLY-ASSISTED PROGRAMS)

COMPLIANCE

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

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

ARTICLE IV

as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- (a) Withholding of payments to the CONSULTANT under the AGREEMENT until the CONSULTANT complies; and/or
 - (b) Cancellation, termination, or suspension of the AGREEMENT, in whole or in part.
- (6) The CONSULTANT shall take such action with respect to any subcontract or procurement as the DEPARTMENT or the Federal Highway Administration may direct as a means of enforcing such provisions, including sanctions for noncompliance, provided, however, that in the event a CONSULTANT becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the CONSULTANT may request the DEPARTMENT to enter 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 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.

ARTICLE IV

2. Disadvantaged Business Enterprise (DBE) Obligation. The STATE and its CONSULTANTS agree to ensure nondiscriminatory opportunity for disadvantaged business enterprises, as defined in 49 CFR Part 26, to participate in the performance of agreements and any subagreements financed in whole or in part with Federal funds. In this regard, the STATE and its CONSULTANTS shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure that disadvantaged business enterprises have the opportunity to compete for and perform work specified in the agreements. The STATE and its CONSULTANTS shall not discriminate on the basis of race, color, religion, age, sex, handicap, sexual orientation, or national origin in the award and performance of agreements financed in whole or in part with Federal funds.
3. Sanctions for Non-Compliance. The CONSULTANT is hereby advised that failure of the CONSULTANT, or any Subconsultant performing work under this AGREEMENT, to carry out the requirements set forth in paragraphs 1 and 2 above, shall constitute a breach of agreement and, after the notification of the United States Department of Transportation, may result in termination of this AGREEMENT by the STATE or such remedy as the STATE deems appropriate.

O. DOCUMENTATION

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

P. CLEAN AIR AND WATER ACTS

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

Attachment 1

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

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

Jacobs Engineering Group Inc.

(Company)

By: DeM C

Division Vice President

(Title)

Date: 01/22/19

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.

01/22/19

(Date)



(Signature)

Attachment 3

CERTIFICATION OF CONSULTANT/SUBCONSULTANT

I hereby certify that I am the Division Vice President and duly-authorized representative of the firm of Jacobs Engineering Group 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.

01/22/19
(Date)


(Signature)

Attachment 4


CERTIFICATION OF STATE DEPARTMENT OF TRANSPORTATION

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

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

except as here expressly stated (if any):

2/6/19
(Date)


(Signature)

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

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

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

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

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

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: Ken Shackleton
Prime Contract Admin

Dated: 1/22/19

CONSULTANT

By: D. M. Clark
Division Vice President
(TITLE)

Dated: 1/22/19

Department of Transportation

WITNESS TO THE STATE OF NEW HAMPSHIRE

By: Michelle Brown

Dated: 2/6/19

THE STATE OF NEW HAMPSHIRE

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

Dated: 2/6/19

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: 2/10/19

By: Emily C. Young
Assistant Attorney General

Secretary of State

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

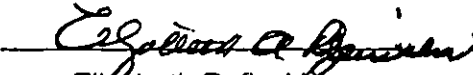
Dated: _____

Attest:
By: _____
Secretary of State

CERTIFICATE OF AUTHORITY

I, Elizabeth Refinski hereby certify that I am the Assistant Secretary of Jacobs Engineering Group, Inc., a corporation duly organized under the laws of the State of Delaware, in the United States of America (the "Company"). I do further certify that David M. Chamberlain is the Division Vice President of the Company and is duly authorized by the By-Laws, Articles of Incorporation, general resolutions and other authority of the Company to execute and deliver for in behalf of the Company, the contract NHDOT Contract# 40371 Bridge 096/091 between the New Hampshire Department of Transportation and Jacobs Engineering Group Inc. I further certify that such authority has not been repealed, rescinded, or amended.

IN WITNESS WHEREOF, I have hereunto set my hand and attached the Corporate Seal of the Company on this 22 day of January 2019.


Elizabeth Refinski
Assistant Secretary

State of New Hampshire

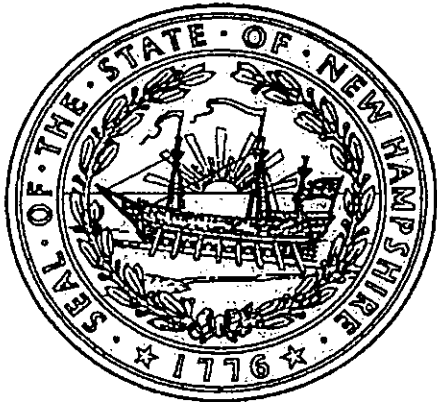
Department of State

CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that JACOBS ENGINEERING GROUP INC. is a Delaware Profit Corporation registered to transact business in New Hampshire on August 30, 1996. 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: 255464

Certificate Number: 0004373551



IN TESTIMONY WHEREOF,

I hereto set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 10th day of January A.D. 2019.

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

William M. Gardner
Secretary of State



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
01/21/2019

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).


PRODUCER LIC #0437153 Marsh Risk & Insurance Services CIRT_Support@jacobs.com 633 W. Fifth Street Los Angeles, CA 90071	1-212-948-1306 CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL: ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: ACE AMER INS CO INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	FAX (A/C, No): 1-212-948-1306 NAIC # 22667
INSURED Jacobs Engineering Group Inc. C/O Global Risk Management 1000 Wilshire Blvd., Suite 2100 Los Angeles, CA 90017		

COVERAGES CERTIFICATE NUMBER: 55201254 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"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTRACTUAL LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		HDO G71096750	07/01/18	07/01/19	EACH OCCURRENCE \$ 250,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 250,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 250,000 \$
A	AUTOMOBILE LIABILITY <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 H25158684	07/01/18	07/01/19	COMBINED SINGLE LIMIT (Ea accident) \$ 500,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	WLR C6479033A (AOS) WCU C64789533 (LA, OH, TX) SCP C64789570 (WI)	07/01/18 07/01/18 07/01/18	07/01/19 07/01/19 07/01/19	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	PROFESSIONAL LIABILITY "CLAIMS MADE"		EON G21655065 009	07/01/18	07/01/19	PER CLAIM/PER AGG 2,000,000 AGGREGATE DEFENSE INCLUDED

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 PROJECT MGR: John Wilson. CONTRACT MGR: John Wilson. RE: Rehabilitation or replacement of bridge 096/091 carrying NH Route 12 over NH Railroad in Troy, NH. CONTRACT NUMBER: TROY 40371. CONTRACT END DATE: 6/30/2021. SECTOR: Public.
 *\$2,250,000 SIR for states of: LA, OH, TX. State of New Hampshire is added as an additional insured for general liability as respects the negligence of the insured in the performance of insured's services to cert holder under contract for captioned work. Deductible of \$75,000 included for Professional Liability. *THE TERMS, CONDITIONS, AND LIMITS PROVIDED UNDER THIS CERTIFICATE OF INSURANCE WILL NOT EXCEED OR BROADEN IN ANY WAY THE TERMS, CONDITIONS, AND LIMITS AGREED TO UNDER THE APPLICABLE CONTRACT.*

CERTIFICATE HOLDER State of New Hampshire John O. Morton Building 7 Hazen Drive PO Box 483 Concord, NH 03302-0483 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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CANCELLATION – NOTICE TO ADDITIONAL INTERESTS

Named Insured Jacobs Engineering Group Inc.			Endorsement Number 146
Policy Symbol HDO	Policy Number G71096750	Policy Period 07/01/2018 to 07/01/2019	Effective Date of Endorsement
Issued By (Name of Insurance Company) ACE American Insurance Company			

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This Endorsement modifies insurance provided under the following:

**Commercial General Liability Coverage Form
Excess Commercial General Liability Policy**

In the event that we cancel the policy, we agree to mail to the additional interests set forth in the Schedule below 10 days advance notice if the cancellation is for nonpayment of premium and 30 days advance notice if the cancellation is for a legally permissible reason other than nonpayment of premium.

Schedule:

Name: The State of New Hampshire Department of Transportation
Address: John O. Morton Building 7, Hazen Drive, Concord, NH 03302-0483

Name:
Address:

Name:
Address:

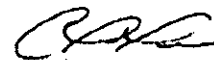
Name:
Address:

Name:
Address:

Name:
Address:

Name:
Address:

Name:
Address:



Authorized Agent

CANCELLATION – NOTICE TO ADDITIONAL INTERESTS

Named Insured Jacobs Engineering Group Inc.			Endorsement Number 14
Policy Symbol ISA	Policy Number H25158684	Policy Period 07/01/2018 to 07/01/2019	Effective Date of Endorsement
Issued By (Name of Insurance Company) ACE American Insurance Company			

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This Endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM
 AUTO DEALERS COVERAGE FORM
 MOTOR CARRIER COVERAGE FORM
 EXCESS BUSINESS AUTO COVERAGE FORM**

In the event that we cancel the policy, we agree to mail to the additional interests set forth in the Schedule below 10 days advance notice if the cancellation is for nonpayment of premium and 30 days advance notice if the cancellation is for a legally permissible reason other than nonpayment of premium.

Schedule:

Name: The State of New Hampshire Department of Transportation
 Address: John O. Morton Building 7, Hazen Drive, Concord, NH 03302-0483

Name:
 Address:

Name:
 Address:


Name:
 Address:

Name:
 Address:

Name:
 Address:

Name:
 Address:

Name:
 Address:



 Authorized Representative

Workers' Compensation and Employers' Liability Policy

Named Insured JACOBS ENGINEERING GROUP, INC. 600 WILSHIRE BOULEVARD, SUITE 1000 LOS ANGELES CA 90017	Endorsement Number
	Policy Number
Policy Period 07-01-2018 TO 07-01-2019	Symbol: WLR Number: C6479033A Effective Date of Endorsement 07-01-2018
Issued By (Name of Insurance Company) ACE AMERICAN INSURANCE COMPANY	
Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.	

THIS ENDORSEMENT CHANGES THE POLICY OF INSURANCE.

PLEASE READ IT CAREFULLY.

PROVIDE REQUIRED NOTICE OF CANCELLATION TO ANOTHER ENTITY

This endorsement modifies insurance provided under the following:

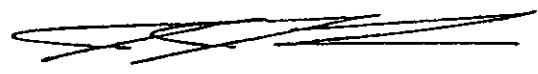
A. Schedule*

Entity	No. Of Days
All entities or persons holding certificates of insurance reflecting the policy	<u>10</u> for nonpayment of premium
STATE OF NEW HAMPSHIRE DEPARTMENT OF	<u>30</u> for all other reasons
TRANSPORTATION, 7 HAZEN DRIVE	CONCORD, NH 03302
*Information required to complete this Schedule, if not shown on this endorsement, will be shown in the Declarations.	

B. Provisions

If this insurance is terminated or cancelled, whether at your request or ours, we will provide the entity shown in the Schedule with prior written notice of such termination or cancellation within the number of days shown in the Schedule, above.

All other terms, conditions and exclusions of this Policy remain unchanged.



Authorized Agent

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Named Insured Jacobs Engineering Group Inc.			Endorsement Number 129
Policy Symbol EON	Policy Number G21655065 009	Policy Period 07/01/2018 to 07/01/2019	Effective Date of Endorsement 07/01/2018
Issued By (Name of Insurance Company) ACE American Insurance Company			

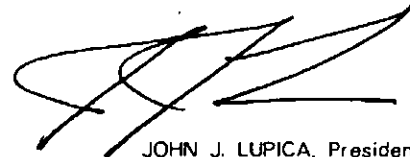
TERMINATION AMENDED ENDORSEMENT

It is agreed that Section X, Notice, is amended by adding the following to subsection C:

Notwithstanding anything in the foregoing to the contrary, in event the **Insurer** cancels this **Policy** (except with respect to cancellation for nonpayment of premium), the **Insurer** agrees to mail written notice 30 days prior to the effective date of such cancellation to:

New Hampshire Department of Transportation
John O Morton Building – 7 Hazen Drive
P.O. Box 483
Concord, NH 03002-0483

All other terms and conditions of this **Policy** remain unchanged.



JOHN J. LUPICA, President

Authorized Representative