

Advertised: **APRIL 15, 2018****NCDOT - DIVISION OF AVIATION****REQUEST for LETTERS of INTEREST (RFLOI)****2018 Unmanned Aircraft Systems (UAS) Specialized Limited Services Contract (LSC)**

TITLE: **2018 Unmanned Aircraft Systems (UAS) Specialized Limited Services Contract (LSC)**

USING AGENCY: North Carolina Department of Transportation  
**Division of Aviation**

ISSUE DATE: **APRIL 15, 2018**

SUBMITTAL DEADLINE: **MAY 07, 2018**

ISSUING AGENCY: North Carolina Department of Transportation  
Technical Services Division  
Professional Services Management Unit

**SYNOPSIS****SUBCONSULTANTS ARE PERMITTED UNDER THIS CONTRACT.**

The primary and/or subconsultant firm(s) (*if Subconsultants are allowed under this RFLOI*) shall be pre-qualified to perform **ANY COMBINATION** of the work codes listed below for the **DIVISION OF AVIATION (DoA)**. Work Codes required are:

- **00490-Aviation Education & Outreach Services**
- **00491-General Division Program Support**
- **00493-Special Studies for Aviation**
- **00550-Unmanned Aircraft System (UAS) Program Support (NEW WORK CODE)**
- **00551-Unmanned Aircraft System (UAS) Operator (NEW WORK CODE)**
- **00552-Unmanned Aircraft System (UAS) Operations Management (NEW WORK CODE)**

**WORK CODES for each primary and/or subconsultant firm(s) (*if Subconsultants are allowed under this RFLOI*) SHALL be listed on the respective RS-2 FORMS (see section 'SUBMISSION ORGANIZATION AND INFORMATION REQUIREMENTS').**

This RFLOI is to solicit responses (LETTERS of INTEREST, or LOIs) from qualified firms to provide professional consulting services to:

**Projects may include, but are not limited to Unmanned Traffic Management (UTM), UAS Fleet Management, UAS Operational Support, UAS Flight Services, UAS training standards development, UAS operations training, UAS airworthiness certification, general UAS Program Office support/extension of staff, outreach and education coordination, GIS and website assistance, airspace analysis, database management, special DoA studies, and program marketing. Consultants should be familiar with Federal Aviation Administration (FAA), National Aeronautics and Space Administration (NASA), and State UAS programs and requirements.**

Except as provided below any firm wishing to be considered must be properly registered with the Office of the Secretary of State and with the North Carolina Board of Examiners for Engineers and Surveyors. Any firm proposing to use corporate subsidiaries or subcontractors must include a statement that these companies are properly registered with the North Carolina Board of Examiners for Engineers and Surveyors and/or the NC Board for Licensing of Geologists. The Engineers performing the work and in responsible charge of the work must be registered Professional Engineers in the State of North Carolina and must have a good ethical and professional standing. It will be the responsibility of the selected private firm to verify the registration of any corporate subsidiary or subcontractor prior to submitting a Letter of Interest. Firms which are not providing engineering services need not be registered with the North Carolina Board of Examiners for Engineers and Surveyors. Some of the services being solicited may not require a license. It is the responsibility of each firm to adhere to all laws of the State of North Carolina.

The firm must have the financial ability to undertake the work and assume the liability. The selected firm(s) will be required to furnish proof of Professional Liability insurance coverage in the minimum amount of \$1,000,000.00. The firm(s) must have an adequate accounting system to identify costs chargeable to the project.

## **SCOPE OF WORK**

The North Carolina Department of Transportation (NCDOT) is soliciting proposals for the services of a firm/team for the following contract scope of work:

**The purpose of this RFLOI is to obtain additional staff assistance in order to meet current fast-growing demand for DoA customer service in the field of UAS, in particular for the DoA goal of promoting the safe integration of UAS in North Carolina. Additional staff assistance will enable the following: Department wide integration of UAS to be completed more quickly, faster integration of a much needed statewide UTM system, more of a focus on expanding UAS education and outreach programs, and provision of needed UAS operational services throughout the state in a more timely manner.**

**Additionally, having assistance available on an as-needed basis will enable the Division to be prepared when opportunities for assistance and economic development and job creation projects arise. Some of the work under the RFLOI will be for the purpose of providing redundancy to key positions in the Division of Aviation UAS Program Office. Those positions are involved with the most crucial aspects of operations, such as: administration of the NC UAS knowledge test and permitting, development and implementation of UAS outreach and education, operational support of UAS, department wide integration, identifying infrastructure needs for UTM and Urban Air Mobility (UAM) and other such needs. This Scope is left intentionally broad in order to have ready access to the services most needed at the Division of Aviation.**

**PROPOSED CONTRACT TIME: THREE (3) YEARS; and option for TWO (2) ONE-YEAR EXTENSIONS.**

**PROPOSED CONTRACT PAYMENT TYPE: LUMP SUM and/or COST PLUS Task Orders.**

## **SUBMITTAL REQUIREMENTS**

All LOIs are limited to **FIFTEEN (15)** pages (RS-2 forms are not included in the page count) inclusive of the cover sheet, and shall be typed on 8-1/2" x 11" sheets, single-spaced, one-sided.

LOIs containing more than FIFTEEN (15) pages will not be considered.

**WORK CODES for each primary and/or subconsultant firm(s) (if Subconsultants are allowed under this RFLOI) SHALL be listed on the respective RS-2 FORMS (see section 'SUBMISSION ORGANIZATION AND INFORMATION REQUIREMENTS').**

**ONLY ELECTRONIC LOIs WILL BE ACCEPTED.**

**LOIs should be submitted in .pdf format using software such as Adobe, CutePDF PDF Writer, DocuDesk deskPDF, etc.**

One copy of the LOI should be sent as a .pdf file, **through NCDOT's FTS System**, to: [psmu-411@ncdot.gov](mailto:psmu-411@ncdot.gov). **The FTS system will send you an electronic receipt when your LOI is uploaded to NCDOT's FTS system.** Paper copies are not required. The subject line should contain the Firm's Name, and **"LOI for 2018 Unmanned Aircraft Systems (UAS) Specialized Limited Services Contract (LSC)"**.

If an interested firm does not have an FTS account they should send a request through regular e-mail to [psmu-411@ncdot.gov](mailto:psmu-411@ncdot.gov). A response will be sent via the FTS system that will provide a login username, password, and login procedures.

**LOIs SHALL be received electronically no later than 12:00 P.M., MAY 07, 2018.**

**LOIs received after this deadline will not be considered.**

**Firms submitting LOIs are encouraged to carefully check them for conformance to the requirements stated above (and any other requirements in this Advertisement). If LOIs are submitted late, exceed the maximum number of pages, are sent by any means other than NCDOT's FTS system, or are sent to any address other than psmu-411@ncdot.gov they will be disqualified.**

**The Department reserves the right to reject all LOIs and not proceed with procurement.**

**The Department reserves the right to waive any technicality in LOIs, or notify the Firm(s) of such technicality and allow the Firm(s) up to two (2) business days to rectify the technicality.**

## **SELECTION PROCESS**

Following is a general description of the selection process:

- The NCDOT Selection Committee will review all qualifying LOI submittals.
- For Limited Services Contracts (On-Call type contracts), the NCDOT Selection Committee MAY, at the Department's discretion, choose any number of firms to provide the services being solicited.
- For Project-Specific Contracts (non On-Call type contracts), the Selection Committee MAY, at the Department's discretion, shortlist a minimum of three (3) firms to be interviewed. IF APPLICABLE, dates of shortlisting and dates for interviews are shown in the section SUBMISSION SCHEDULE AND KEY DATES at the end of this RFLOI.
- In order to be considered for selection, consultants must submit a complete response to this RFLOI prior to the specified deadlines. Failure to submit all information in a timely manner will result in disqualification.

## **SMALL PROFESSIONAL SERVICE FIRM (SPSF) PARTICIPATION**

The Department encourages the use of Small Professional Services Firms (SPSF). Small businesses determined to be eligible for participation in the SPSF program are those meeting size standards defined by Small Business Administration (SBA) regulations, 13 CFR Part 121 in Sector 54 under the North American Industrial Classification System (NAICS). The SPSF program is a race, ethnicity, and gender neutral program designed to increase the availability of contracting opportunities for small businesses on federal, state or locally funded contracts. SPSF participation is not contingent upon the funding source.

The Firm, at the time the Letter of Interest is submitted, shall submit a listing of all known SPSF firms that will participate in the performance of the identified work. The participation shall be submitted on the Department's Subconsultant Form RS-2. RS-2 forms may be accessed on the Department's website at [NCDOT Connect Guidelines & Forms](#).

The SPSF must be qualified with the Department to perform the work for which they are listed.

Real-time information about firms doing business with the Department and firms that are SPSF certified through the Contractual Services Unit is available in the Directory of Transportation Firms. The Directory can be accessed on the Department's website at [Directory of Firms](#) -- Complete listing of certified and prequalified firms.

The listing of an individual firm in the Department's directory shall not be construed as an endorsement of the firm.

## **PREQUALIFICATION**

The Department maintains on file the qualifications and key personnel for each approved discipline, as well as any required samples of work. Each year on the anniversary date of the company, the firm shall renew their prequalified disciplines. If your firm has not renewed its application as required by your anniversary date or if your firm is not currently prequalified, please submit an application to the Department **prior to submittal of your LOI**. An application may be accessed on the Department's website at [Prequalifying Private Consulting Firms](#) -- Learn how to become Prequalified as a Private Consulting Firm with NCDOT. Having this data on file with the Department eliminates the need to resubmit this data with each letter of interest.

Even though specific DBE/MBE/WBE goals are not required for this project, the Department of Transportation is committed to providing opportunity for small and disadvantaged businesses to perform on its contracts through established Department goals. The Firm, subconsultant and subfirm shall not discriminate on the basis of race, religion, color, national origin, age, disability or sex in the performance of this contract.

## **SELECTION CRITERIA**

**All prequalified firms who submit responsive letters of interest will be considered.**

In selecting a firm/team, the selection committee will take into consideration qualification information including such factors as:

1. **40%** = Proposal of the Firm and Key Personnel – Preference shall be given to firms with experience in UAS traffic management, UAS program development, and UAS integration with FAA and/or NASA, and UAS flight services.
2. **40 %** = Experience with State and Federal UAS Programs – Preference shall be given to firms and project teams whose personnel have a demonstrated working relationship with State Aviation programs, the FAA, USDOT, and NASA. A thorough understanding of regulations and procedures associated with national integration of UAS into the national airspace system (NAS) is highly desirable.

3. **20%** = Performance on Comparable Projects -- Preference shall be given to firms that demonstrate satisfactory performance on projects similar to those listed in the Scope of Work and NCDOT work code descriptions.
4. **N/A%** = N/A.
5. **N/A%** = N/A.

After reviewing qualifications, if firms are equal on the evaluation review, then those qualified firms with proposed SPSF participation will be given priority consideration.

### **SUBMISSION ORGANIZATION AND INFORMATION REQUIREMENTS**

The LOI should be addressed to **Mr. Robert J. Stroup, PE -- State Professional Services Engineer** and must include the name, address, telephone number, and e-mail address of the prime consultant's contact person for this RFLOI.

The LOI must also include the information outlined below:

#### Chapter 1 - Introduction

The Introduction should demonstrate the consultant's overall qualifications to fulfill the requirements of the scope of work and should contain the following elements of information:

- Expression of firm's interest in the work;
- Statement of whether firm is on register;
- Date of most recent private engineering firm qualification;
- Statement regarding firm's(') possible conflict of interest for the work; and
- Summation of information contained in the letter of interest.

#### Chapter 2 - Team Qualifications

This chapter should elaborate on the general information presented in the introduction, to establish the credentials and experience of the consultant to undertake this type of effort. The following must be included:

1. Identify recent, similar projects the firm, acting as the prime contractor, has conducted which demonstrates its ability to conduct and manage the project. Provide a synopsis of each project and include the date completed, and contact person.
2. If subconsultants are involved, provide corresponding information describing their qualifications as requested in bullet number 1 above.

#### Chapter 3 - Team Experience

This chapter must provide the names, classifications, and location of the firm's North Carolina employees and resources to be assigned to the advertised work; and the professional credentials and experience of the persons assigned to the project, along with any unique qualifications of key personnel. Although standard personnel resumes may be included, identify pertinent team experience to be applied to this

project. Specifically, the Department is interested in the experience, expertise, and total quality of the consultant's proposed team. If principals of the firm will not be actively involved in the study/contract/project, do not list them. The submittal shall clearly indicate the Consultant's Project Manager, other key Team Members and his/her qualifications for the proposed work. Also, include the team's organization chart for the Project / Plan. A Capacity Chart / Graph (available work force) should also be included. Any other pertinent information should also be listed in this section.

**Note:** If a project team or subconsultant encounters personnel changes, or any other changes of significance dealing with the company, NCDOT should be notified immediately.

#### Chapter 4 - Technical Approach

The consultant shall provide information on its understanding of, and approach to accomplish, this project, including their envisioned scope for the work and any innovative ideas/approaches, and a schedule to achieve the dates outlined in this RFLOI (if any project-specific dates are outlined below).

#### APPENDICES-

##### CONSULTANT CERTIFICATION Form RS-2

Completed Form RS-2 forms SHALL be submitted with the firm's letter of interest. This section is limited to the number of pages required to provide the requested information.

Submit Form RS-2 forms for the following:

- **Prime Consultant firm**
  - Prime Consultant Form RS-2 Rev 1/14/08; and
- **ANY/ALL Subconsultant firms** (*If Subconsultants are allowed under this RFLOI*) to be, or anticipated to be, utilized by your firm.
  - Subconsultant Form RS-2 Rev 1/15/08.
  - In the event the firm has no subconsultant, it is required that this be indicated on the Subconsultant Form RS-2 by entering the word "None" or the number "ZERO" and signing the form.

**Complete and sign each Form RS-2 (instructions are listed on the form).**

The required forms are available on the Department's website at:

<https://connect.ncdot.gov/business/consultants/Pages/Guidelines-Forms.aspx>

[Prime Consultant Form RS-2](#)

[Subconsultant Form RS-2](#)

All submissions, correspondence, and questions concerning this [RFLOI](#) should be directed to **Mr. Tom Payne, PE** at [tpayne@ncdot.gov](mailto:tpayne@ncdot.gov). However, the [LOI](#) itself must be submitted to '[psmu-411@ncdot.gov](mailto:psmu-411@ncdot.gov)' via NCDOT's FTS System.



**NOTE: To adhere to the Timeframe, a Notice to Proceed is expected to be issued shortly after (a) firm(s)/team(s) is/are selected. All firm(s)/team(s) submitting a LETTER OF INTEREST should make sure that their rates and overheads are current and have been audited by NCDOT.**

## **SUBMISSION SCHEDULE AND KEY DATES**

RFLOI Release – **APRIL 15, 2018**

Deadline for Questions -

Issue Final Addendum -

Deadline for LOI Submission – **MAY 07, 2018**

Shortlist Announced \* -

Interviews - the week of

Firm Selection and Notification \*\* - **TBD.**

Anticipated Notice to Proceed – **TBD.**

\* Notification will **ONLY** be sent to shortlisted firms.

\*\* Notification will **ONLY** be sent to selected firms.