NCDOT Advertisements - PTA_2021 Aerial Surveying Services LSC (Limited...

NCDOT Letterhead	Wife
	STATE OF NORTH CAROLINA
	DEPARTMENT OF TRANSPORTATION
Template Version:	2019.10.25.RJS-SharePoint (04.30.2020).RJS
ADVERTISEMENT DATE	8/15/2020
ADDENDUM Number (N/A if blank):	
ADDENDUM DATE (N/A if blank):	The second of th
ADVERTISEMENT Title LOI Submittal Management System (LOISS) Opportunity Number:	PTA_2021 Aerial Surveying Services LSC (Limited Services Contract)—FINAL (08.15.2020) 163
NCDOT UNIT NAME / USING AGENCY	Photogrammetry Unit
REQUEST for LETTERS of INTEREST (RFLOI)	REQUEST for LETTERS of INTEREST (RFLOI)
CONTRACT TITLE	2021 Aerial Surveying Services LSC
ISSUE DATE:	8/15/2020
SUBMITTAL DEADLINE (Eastern Time Zone)	9/15/2020 12:00 PM
ISSUING AGENCY	North Carolina Department of Transportation
	Technical Services Division
	Professional Services Management Unit
LETTER of INTEREST (LOI) Submittal Link (Ctrl + Click to open link):	https://connect.ncdot.gov/site/psmu/Pages/LOI-Submission.aspx?Oppty=163& Title=PTA_2021%20Aerial%20Surveying%20Services%20LSC
NEW ONLINE SUBMITTAL PROCESS AND REQUIREMENTS – SEE PAGE $\&$ ff.	2
SYNOPSIS	SUBCONSULTANTS' USAGE SHALL FOLLOW THE PRESCRIPTIONS AS LISTED IN THE SECTION 'SUBCONSULTANTS PERMITTED UNDER THIS CONTRACT?'.
	The primary and/or subconsultant firm(s) (if Subconsultants are allowed under this RFLOI) shall be prequalified to perform the Discipline Codes listed below in the 'DISCIPLINE CODES' section.
	Discipline Codes required are shown in the 'DISCIPLINE CODES' section.
	DISCIPLINE 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').
	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/Surveyors performing the work and in responsible charge of the work must be registered Professional Engineers/Surveyors 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 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 \$1,000,000.000.
SUBCONSULTANTS PERMITTED UNDER THIS CONTRACT?	YES
COMBINATION OF DISCIPLINE CODES	ANY COMBINATION OF DISCIPLINES CODES PERMITTED
DISCIPLINE CODES	00002 AERIAL IMAGE & LIDAR COLLECTION/PROCESSING - MANNED AIRCRAFT; 00157 LARGE FORMAT, METRIC CAMERA PHOTOGRAMMETRIC SERVICES; 00158 AERIAL IMAGE COLLECTION & MAPPING PRODUCTS W/ UAS; 00159 AERIAL LIDAR COLLECTION/PROCESSING & ELEVATION DATA W/ UAS; 00160 AERIAL MAPPING CONTROL
CONTRACT SCOPE	The North Carolina Department of Transportation (NCDOT) is soliciting proposals for the services of a firm/team for the following contract scope of work.
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8/14/2020, 9:19 AM

· Provide a list of work/work codes that can be performed by the primary firm and work that is intended to be completed by a subconsultant Work in all the above disciplines will be assigned on an "as needed" basis. 1. Large Format, Metric Camera Photogrammetric Services: (Discipline Code 00157) The work consists of performing 3-D stereo image measurements for computing position and orientation of large format, frame metric camera aerial imagery and photogrammetrically stereo compiling planimetric, topographic, and DTM data; merging the compiled photogrammetric data with field data such as planimetric classification, cadastral data, and utility data; field classifying planimetric features; collecting and mapping cadastral data from existing county tax bases; producing planimetric maps, topographic maps, base plan sheets cadastral data from existing county tax bases; producing planimetric maps, topographic maps, base plan shee digital orthophotography, DTM data and Aerotriangulation and Airborne Survey Reports as specified in the NCDOT Photogrammetry Unit manuals; and delivering the planimetric maps, topographic maps, base plan sheets, digital orthophotography, DTM data and Reports in digital formats. All mapping and base plan sheet digital data and DTM data shall be delivered in 3-D design files that conform to the NCDOT Photogrammetry level structure and symbology specifications. Digital orthophotography shall be delivered in MrSID or TIF format with associated world files with specified compression. All work must be performed under the responsible charge of a North Carolina (NC) registered Professional Land Surveyor (PLS). All Aerotriangulation and Airborne Survey Reports must be certified by an NC PLS. 2. Aerial Image & LiDAR Collection/Processing - Manned Aircraft (Discipline Code 00002): The work consists of acquiring large format, frame metric camera aerial imagery and airborne topographic LiDAR data using a manned platform at various altitudes above mean ground level. The aerial camera and topographic LiDAR systems must be integrated with on board Global Navigation Satellite System/Inertial Measurement Unit (GNSS/IMU) equipment to collect data for high accuracy sensor position and orientation determination. The work also includes flight and control plan preparation, image and LIDAR post processing, and certifying Reports for acquisition, position and orientation data, and LiDAR derived elevation products. All work must be performed under the responsible charge of a North Carolina (NC) registered Professional Land Surveyor (PLS). All Reports for acquisition, position and orientation data, and LiDAR derived elevation products up the certificial by an NC flag sistion. products must be certified by an NC PLS. 3. Aerial Image Collection & Mapping Products W/UAS (Discipline Code 00158): The work consists of using small format, frame non-metric camera imagery for generation of geospatial products to include image position and orientation determination, orthophotos, and elevation data. The work includes acquiring small format, frame aerial imagery with a mechanical shutter, non-metric camera on board an unmanned aerial system (UAS) platform at various altitudes above mean ground level. The work also includes flight and control plan preparation, delivering geospatial products, and certifying Reports for acquisition, position, and orientation data, orthophotos, and elevation data products. All work must be performed under the responsible charge of a North Carolina (NC) registered Professional Land Surveyor (PLS). All Reports for acquisition, position, and orientation data, orthophotos, and elevation data products must be certified by an NC PLS. Aerial LiDAR Collection/Processing & Elevation Data W/UAS (Discipline Code 00159): The work consists of using a lightweight, small format, topographic LiDAR system for generation of LiDAR derived elevation data products. The work includes acquiring small format, topographic LiDAR data on board an unmanned aerial system (UAS) platform at various altitudes above mean ground level. The work also includes flight and control plan preparation, delivering elevation data products, and certifying Reports for acquisition, position and orientation data, and elevation data products. All work must be performed under the responsible charge of a North Carolina (NC) registered Professional Land Surveyor (PLS). All Reports for acquisition, position, and orientation data, orthophotos, and elevation data products must be certified by an NC PLS. 5. Aerial Mapping Control (Discipline Code 00160): This work consists of establishing ground control for aerial mapping using Global Positioning System (GPS) and/or conventional surveying techniques. It involves placing and surveying well distributed photo-identifiable panels at control point locations throughout the project and submitting a Control Surveys Report. The Control Report must include both localized and State Plane Coordinates for each control point, scaling actors, datum information, and shall be signed and sealed by the North Carolina Professional Land Surveyor (PLS). PROPOSED CONTRACT TERM THREE (3) YEARS PROPOSED CONTRACT EXTENSIONS PROPOSED CONTRACT PAYMENT TYPE LUMP SUM Task Orders NUMBER OF PAGES (# NUMBER OF PAGES (words) SUBMITTAL REQUIREMENTS ll LOIs are limited to those pages prescribed in the above sections 'NUMBER OF PAGES (#)' and 'NUMBER OF PAGES (words)' -- inclusive of the cover sheet, and shall be typed on 8-1/2" x 11" sheets, single-spaced, one-sided (RS-2 forms are not included in the page count). LOIs containing more than those pages prescribed in the above sections 'NUMBER OF PAGES (#)' and 'NUMBER OF PAGES (words)' pages will not be considered. DISCIPLINE 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, NCDOT now utilizes its online LOI Submittal Management System (LOISS) located at: https://connect.ncdot.gov/site/psmu/default.aspx. To submit an LOI utilizing this system, the "submitting employee" at each "submitting Firm" must have their own, individual NCID (as a note, each prequalified Firm should already have an individual in the company with an NCID — as required by the online Prequalification System). NCIDs may be obtained at this website: https://ncid.nc.gov/ (locked NCIDs may also be unlocked via the self-service portion of the NCID website). Once the "submitting employee" has their completed NCID (you may need to have it "sync-ed" with LOISS — see next paragraph), they may proceed to upload their firm's LOI to NCDOT's LOISS. This site is very similar to other webbased upload and form-fill sites. NCID sync issues — Help contact: Once a user has an NCID (whether prior to this advertisement, or pursuant to this advertisement) and said user receives an error message, or has issues, when attempting to login to LOISS, please contact NCDOT - CM Support at dot.cmsupport@ncdot.gov to have your NCID synchronized. Please explain that you are trying to access the LOISS application on the PSMU site and include your NCID (or include your password) and the error message you are receiving. This syncing of your NCID to LOISS should be a one-time occurrence. Firms' users are urged to early create an NCID (if needed) and have it synced with LOISS (if necessary) to avoid any patential datalyses or miscaled deadlines when submitting your firm's LOI. potential delays or missed deadlines when submitting your firm's LOI. NCDOT strongly urges Firms to use Google Chrome browser to access LOISS in order to ensure the best experience possible. Once logged into LOISS, the Firm should locate and click the 'LOI Submission' button in the left menu bar. After clicking the 'LOI Submission' button, the Firm should identify the specific Opportunity for which they wish to submit an LOI. The Firm will click the link for their desired Opportunity, and **UPLOAD** one copy of their LOI, as a .pdf file,

8/14/2020, 9:19 AM 2 of 5

	to NCDOT's LOISS at the Advertisement/Opportunity-Specific 'LOI Submittal' LINK shown in the section above entitled 'LETTER of INTEREST (LOI) Submittal Link'.
	Your Firm's Letter of Interest (LOI) may be uploaded at the Advertisement/Opportunity-Specific 'LOI Submittal' LINK for this specific Advertisement/Opportunity shown in the section above entitled 'LETTER of INTEREST (LOI) Submittal Link'.
	LOISS will close the Advertisement / Opportunity at the appropriate time and will not allow Firms to submit LOIs after the deadline.
	Upon successful UPLOAD of your Firm's LOI to LOISS, the system will notify you with a confirmation screen. You will also receive an e-mail stating that you have successfully submitted your Letter of Interest (LOI).
	Paper copies are not required. The subject line should contain the Firm's Name, and the text prescribed in the section given below 'SUBJECT LINE OF PEF SUBMITTAL'.
	LOIS SHALL be received electronically no later than 12:00 P.M. (NOON) Eastern, on the date given in the section entitled 'SUBMITTAL DEADLINE' at the beginning of this Advertisement.
	LOISS will not allow LOIs to be UPLOADED nor be received after the above deadline and such LOIs will not be considered.
	Firms are encouraged to begin this submittal process early as there are now several more steps involved with LOI-submission than were involved with the previous FTS methodology of LOI-submission.
	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 LOI Submittal Management System (LOISS), or are UPLOADED to any Advertisement/Opportunity-Specific 'LOI Submittal' LINK other than that given in this Advertisement 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. The Department has sole right and discretion in the determination of technicality and its meaning.
SUBJECT LINE OF PEF SUBMITTAL	FIRM NAME_2021 Aerial Surveying Services LSC
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.
TITLE VI NONDISCRIMINATION NOTIFICATION	The North Carolina Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 US.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all RESPONDENTS that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit LETTERS of ICHEREST (LOIS) in response to this ADVERTISEMENT and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.
SMALL PROFESSIONAL SERVICES 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 (https://connect.ncdot.gov/business/consultants/Pages/Guidelines-Forms.aspx).
	The SPSF must be qualified with the Department to perform the work for which they are listed.
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 (https://connect.ncdot.gov/business/Prequal/Pages/Private-Consulting-Firm.aspx) — 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.
	Professional Services Contracts are race and gender neutral and do not contain goals. However, the Respondent is encouraged to give every opportunity to allow Disadvantaged, Minority-Owned and Women-Owned Business Enterprises (DBE/MBE/WBE) subconsultant utilization on all LOIs, contracts and supplemental agreements. 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.
DIRECTORY OF FIRMS AND DEPARTMENT ENDORSEMENT	Real-time information about firms doing business with the Department, and information regarding their prequalifications and certifications, is available in the Directory of Transportation Firms. The Directory can be accessed on the Department's website at Directory of Firms (https://www.ebs.nc.gov/VendorDirectory/default.html) 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.
GRA DOWN ON CONTROL	
SELECTION CRITERIA	All prequalified firms who submit responsive letters of interest will be considered.

8/14/2020, 9:19 AM

	such factors as those listed in the 'SELECTION CRITERIA' sections shown below.
	After reviewing qualifications, if firms are equal on the evaluation review, then those qualified firms with proposed SPSF participation will be given priority consideration.
SELECTION CRITERIA #1 %:	40 %
SELECTION CRITERIA #1 DEFINITION:	
	The evaluation of performance on any previous contracts with the North Carolina Department of Transportation Photogrammetry Unit and Location & Surveys Unit.
SELECTION CRITERIA #2 %:	30 %
SELECTION CRITERIA #2 DEFINITION:	The firm's experience and staff used to perform the type of work required.
SELECTION CRITERIA #3 %:	30 %
SELECTION CRITERIA #3 DEFINITION:	30%
	The appropriate type and quantity of equipment to be used in collecting the requested data and the ability to delive digital data that conforms to NCDOT specifications.
SELECTION CRITERIA #4 %:	
SELECTION CRITERIA #4 DEFINITION:	
ELECTION CRITERIA #5 %:	
ELECTION CRITERIA #5 DEFINITION:	
ICDOT ADDRESSEE	Robert J. Stroup, PE State Professional Services Engineer
UBMISSION ORGANIZATION AND INFORMATION REQUIREMENTS	The LOI should be addressed to the person shown in the 'NCDOT ADDRESSEE' section shown above 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
	 Statement regarding firms () possible connect 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:
	 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.
	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).
	PROJECT MILESTONE(s) and DATE(s) (IF APPLICABLE) see section 'PROJECT MILETONE(s) and DATE(s)' below (if applicable).
	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
	o Prime Consultant Form RS-2; and
	 Prime Consultant Form RS-2; and ANY/ALL Subconsultant firms (If Subconsultants are allowed under this RFLOI) to be, or anticipated to be, utilized by your firm.
	ANY/ALL Subconsultant firms (If Subconsultants are allowed under this RFLOI) to be, or anticipated to be, utilized by

8/14/2020, 9:19 AM

	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 Form RS-2 (Contract Solicitations ONLY)
	(https://connect.ncdot.gov/business /consultants/Roadway /PRIME%20Form%20RS- 2%20(Contract%20Solicitations%20ONLY).xlsx)
	SUBCONSULTANT Form RS-2 (Contract Solicitations ONLY)
	(https://connect.ncdot.gov/business /consultants/Roadway /SUBCONSULTANT%20Form%20RS- 2%20(Contract%20Solicitations%20ONLY).xlsx)
	All correspondence and questions concerning this RFLOI should be directed to the person shown in the below
	section 'QUESTIONS send to:'. However, the LOI itself must be UPLOADED via the 'LOI Submittal Link' shown in this Advertisement to NCDOT's LOI Submittal Management System (LOISS).
	IF APPLICABLE (if dates for such are given in the below sections 'Deadline for Questions' and 'Issue Final Addendum'), questions may be submitted electronically only, to the contact shown in the below section 'QUESTIONS send to:'. Responses will be issued in the form of an addendum available to all interested parties should also send a request, by email only, to the person listed in the below section 'QUESTIONS send to:' to be placed on a public correspondence list to ensure future updates regarding the RFLOI or other project information can be conveyed. Questions must be submitted to the person listed in the below section 'QUESTIONS send to:' no later than the date and time given in the below section 'Deadline for Questions'. The last addendum will be issued no later than the date shown in the below section 'Issue Final Addendum'.
	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.
PROJECT MILETONE(s) and DATE(s) (if applicable)	
QUESTIONS send to:	dshuller@ncdot.gov
SUBMISSION SCHEDULE AND KEY DATES	
RFLOI Release	8/15/2020
Deadline for Questions (Eastern Time Zone)	
Issue Final Addendum	
Deadline for LOI Submission (Eastern Time Zone)	9/15/2020 12:00 PM
Shortlist Announced (* Notification will ONLY be sent to shortlisted firms.)	
Interviews - the week of	
Firm Selection and Notification (** Notification will ONLY be sent to selected firms.)	
Anticipated Notice to Proceed	

8/14/2020, 9:19 AM 5 of 5