# NORTH CAROLINA

## Department of Transportation

## Solicitation Addendum 1 – Extends RFI Response Due Date & Publishes Vendor Questions and State Responses

**Solicitation Number:** **Request for Information 54 NCDOT Photogrammetry**
**Solicitation Description:** Colorized Lidar, sUAS
**Proposal Due Date/Time:** July 11, 2025 12:00 PM ET
**Addendum Date:** June 26, 2025
**Procurement Specialist:** Thomas Busshart
tjbusshart@ncdot.gov

**Return one properly executed copy of this addendum 1 with a response.**

1) **Changes RFI Response Due Date from July 9, 2025 to July 11, 2025**
2) State Responses to Vendor Questions.

| | Vendor Question | State Response |
|---|---|---|
| 1 | When needing to automatically extract assets, break lines, etc. are you expecting AI tools, an all-in-one software, or a 3rd party extraction software? | Automatic extractions tools are viewed as optional and not required. If proposed, we are expecting a specific accuracy level, both horizontal and vertical. When proposing automatically extracted assets, completeness above the 92% level is required along with meeting accuracy requirements. |
| 2 | Is the ability to utilize a scanner for handheld, mobile, and UAV needed under one scanner or would the idea of 2 scanners that would collect better info for their use cases be of interest? Since we would be able to get at or below 1CM precision on our dedicated systems, would this be of interest? | Our preference is one scanner |
| 3 | What precisions and accuracies are you looking to achieve? | The accuracy needed will vary depending on project specifications. Please refer to Section 3 of the RFI and provide |

| | Vendor Question | State Response |
|---|---|---|
| | | responses for a 5CM, 3CM and 2CM RMSEz ground classified surface. |
| 4 | When using the scanner as a mobile application, what size and type of construction sites are you planning to drive? | Utilizing the scanner in a mobile application would be primarily for roads and not for construction sites. We would use the UAV to handle construction sites. The project sizes for mobile utilization will vary. |
| 5 | Does a UAV need to be purchased under the same contract as the LiDAR? | Yes, this is preferable. |
| 6 | Does the software need to be server based or can it be based off a standalone computer, removing the need for a server all together? | Server based would be preferable. |
| 7 | The LiDAR sensor manufacturer Hesai Technology Co. Ltd. is not currently listed in the body of the DoD's Section 1260H list of "Chinese military companies" operating directly or indirectly in the United States. However, Hesai is mentioned in the 1260H list's footnote #1 which states "Hesai Technology Co., Ltd. was previously identified as and remains a Chinese military company operating in the United States in accordance with Section 1260H of the William M. ("Mac") Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) as reported in 89 Fed. Reg. 86230 (October 29, 2024)." As such, there is confusion in the marketplace regarding acceptability of using a Hesai LiDAR sensor as a component in LiDAR UAV payload on DoD projects**. Is it acceptable to propose a payload in this RFI which uses a Hesai XT32 LiDAR sensor to provide better performance than a comparable payload built around a Velodyne LiDAR sensor?** | No |

| | Vendor Question | State Response |
|---|---|---|
| 8 | Under Aircraft and Sensor Requirements, the RFI requests cameras for orthophoto creation. Can the camera for orthophoto creation be provided as a separate payload or must it be integrated into the LiDAR payload? | An integrated camera/LiDAR payload is required. |
| 9 | Does NCDOT have any previous contracts related to this project? Or alternatively, can you confirm that this a new potential requirement for the department? | This is a Request for Information (RFI) requesting information only aimed at exploring and understanding a complete system for acquiring and processing colorized LiDAR primarily from a UAV platform. |

**Execute Addendum 1:**

**Vendor:** _____

**Authorized Signature:** _____

**Name and Titled (Typed):** _____

**Date Signed:** _____