



National Transportation Safety Board
Washington, D.C. 20594

Office of Chief Financial Officer

Virtual Crash Accident Reconstruction Software

August 25, 2023

THIS IS NOT A REQUEST FOR PROPOSALS, AN INVITATION FOR BIDS, OR A REQUEST FOR QUOTATIONS. FURTHER, IT DOES NOT REPRESENT A COMMITMENT BY THE GOVERNMENT TO PAY FOR COSTS INCURRED IN PREPARATION AND SUBMISSION OF DATA OR ANY OTHER COSTS INCURRED IN RESPONSE TO THIS ANNOUNCEMENT.

The National Transportation Safety Board (NTSB) intends to award a sole source contract to Virtual Crash, LLC under FAR 13.106-1 based on the uniquely technical qualifications as the only known provider of the brand name "Virtual Crash" software. The NTSB knows of no other sources for this requirement. Notice is provided as information to the marketplace, market research, and is an invitation for any other qualified companies to express their interest in and demonstrate their capability to provide the required software.

The NTSB is an independent Federal agency with the primary missions of investigating civil aviation accidents in the United States and significant accidents in the other modes of transportation -- railroad, highway, marine, and pipeline -- and issuing safety recommendations aimed at preventing future accidents.

The Office of Highway Safety's Special Investigations Branch (HS-22) requires the capability to quantify crash sequences using three-dimensional graphical simulation and animation techniques. Investigators rely on a variety of evidence and data to analyze circumstances of a crash accurately and effectively. Virtual Crash Software has the capability, based on physics and dynamic motion, to simulate motor vehicle crashes, including pedestrian crashes, in a three-dimensional environment including the integration of airbag control module (ACM) data. The software can also provide scale diagrams, three-dimensional models, and terrain environments including seamless integration of point cloud data whether from a scanner or a drone.

Based on the unique technical capabilities the only provider of the Virtual Crash Accident Reconstruction Software described herein, a comparable competitor's product has not been identified. Virtual Crash is not available through a third-party reseller. The National Transportation Safety Board (NTSB) knows of no other sources for this requirement. Notice is provided as information to the marketplace, market research, and is an invitation for any other qualified companies to express their interest in and demonstrate their capability to provide the required software.

Sources capable of fully satisfying the above requirement are invited to submit a capability statement/ expression of interest providing the Government the necessary information to determine actual capability. At a minimum, this information, which must be prepared specifically in response to this notice must include: (1) identification of company or organization; (2) an

assertion of existing, full capability to meet proposed requirements; (3) business/contracts/marketing office point(s) of contact; (4) notification of business size and /or special status; and (5) any additional information that may be useful to the successful procurement of the requirements, if solicited. The capability statement shall adhere to a five (5)-page submission limit plus web links and any specialized product descriptions. The statement of capabilities should include only information that clearly demonstrates the respondent's capabilities, expertise, and experience to provide the requirements described in this notice. General marketing material should not be included. The NTSB prefers that companies do not submit proprietary material. However, the Government recognizes that proprietary data may be a part of your submittal. If so, clearly mark such restricted or proprietary data and present it as an addendum to the non-restricted/non-proprietary information. Information received will be considered solely for the purpose of determining whether to conduct a competitive procurement. A determination by the Government not to compete the proposed contract based upon responses to this notice is solely within the discretion of the Government. All responsible sources may submit a capability statement, which shall be considered by NTSB. Parties must submit information within ten (10) days of publication of this notice. NTSB will not return capability statements and the supporting documentation submitted in response to this notice. Telephone responses and inquiries will not be accepted.

You may email questions regarding this notice to the issuing office to Jassiem Hodge Sr. via email at: jassiem.hodge@ntsb.gov no later than 4:00pm EST on August 30, 2023. A contract is anticipated to be issued no later than September 6, 2023.