

Mississippi State University
Notice of Proposed Sole Source Purchase

256-039

Mississippi State University anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Commodity or commodities to be purchased (make, model, description):
 - The Motion Monitor Markerless Upgrade to Add to Quote #64813:
 - Data Acquisition Computer Upgrade to support markerless video collection (The MotionMonitor License described in the configurations above would reside on this computer)
 - (8) Basler HS cameras including cables, lens and head mounts (mounting hardware such as wall mounts, tripods or rails are not included)
 - The MotionMonitor C3D Model Builder
 - The MotionMonitor Video Module
 - The MotionMonitor Plug-in for SwRI ENABLE
 - (1) SwRI ENABLE Markerless AI Software License
 - Onsite Hardware Setup and Training
 - Shipping and Handling
2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:

The Neuromechanics Laboratory housed in the Department of Kinesiology at Mississippi State University has a variety of equipment including a motion capture system, force plates, and EMG system. The MotionMonitor allows for the integration of all this equipment so data can be collected and analyzed synchronously between multiple different systems. The MotionMonitor system will also allow for faster processing time of the data collected in the laboratory. This specific quote will allow for the incorporation of a Markerless motion capture system in addition to the current laboratory capabilities, and it will integrate with the MotionMonitor system we also plan to purchase. A markerless motion capture system will allow for the faster collection of motion capture (movement) data, and it will also make the data collection process easier since markers will not have to be applied to the participants. This will be very beneficial when working with athletes and participants with special needs. This

quote includes the purchase of eight new cameras to collect the markerless data, an upgrade to the computer to analyze the data, and the software to analyze the data.

3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):

MotionMonitor. This is the only company that can integrate markerless upgrade with the current equipment in the Neuromechanics Lab.

4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:

\$50,560

The cost of the software and additional equipment (cameras) is comparable to other software and cameras that would have to be purchased separately.

5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:

The Department of Kinesiology has conducted a thorough evaluation of available systems and determined that MotionMonitor can meet the department's stringent scientific, operational, and instructional requirements.

- **Internal System Consistency:** The department and Neuromechanics Laboratory currently is upgrading to a MotionMonitor system, and this specific markerless system from the MotionMonitor is the only one that will integrate with the planned purchase and upgrade to the larger MotionMonitor system.
- **Direct Vendor Communication:** MotionMonitor is the exclusive manufacturer and distributor of the MotionMonitor system described above. The department has engaged directly with MotionMonitor to confirm system capabilities and proprietary components.
- **Negotiated Pricing:** The department is working with MotionMonitor to purchase the most recent model.
- **Long-Term Cost Savings:** Thanks to system durability, long-lifespan sensors, and shared parts with the current units, the department anticipates reduced long-term maintenance and calibration expenses compared to other

systems. This system will also allow for upgrades and the additional equipment in the future.

- **Integration:** The MotionMonitor markerless system will integrate with the laboratories current motion capture system, force plates, and EMG system.

The decision to proceed with a sole source purchase is justified by MotionMonitor's exclusive rights to produce and sell the MotionMonitor markerless upgrade Package and alignment with the Neuromechanics laboratory and department's research, teaching, and equipment integration needs.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit a written notice to:

Jennifer Mayfield, CPPO
Interim Deputy Director of Procurement & Contracts
jmayfield@procurement.msstate.edu
Subject Line must read "Sole Source Objection"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.

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