

**All personnel responsible for developing, reviewing and approving a single source determination shall ensure that sound business judgment is applied in researching, documenting and approving such actions.**

The rationale for a single source determination is not constrained by this form. If filled out electronically, the form will expand to the written narrative. If not available electronically, the drafter shall attach continuation sheets to ensure rationale is fully supported.

**SIMPLIFIED ACQUISITION PROCEDURES (SAP)  
SINGLE SOURCE DETERMINATION FOR ACQUISITIONS NOT EXCEEDING THE SIMPLIFIED ACQUISITION THRESHOLD AS DEFINED IN FAR 2.101**

SOLICITATIONS MAY BE LIMITED TO ONE SOURCE ONLY IF THE CONTRACTING OFFICER (*within its warrant authority*) DETERMINES THAT ONLY ONE SOURCE IS AVAILABLE IAW FAR 13.106-1(b). THIS DETERMINATION SHALL BE SUPPORTED WITH FULL JUSTIFICATION FOR SINGLE SOURCE FROM THE CUSTOMER. THE CUSTOMER SHALL PROVIDE THE FOLLOWING INFORMATION:

QUOTE/SOLICITATION NUMBER:

ESTIMATED AMOUNT (Not exceeding \$150,000):

DESCRIPTION OF SUPPLIES OR SERVICES REQUIRED AND THE INTENDED USE:

Overhaul Heavy Weight Deflectometer (HWD) tow vehicle, trailer, and control systems as stated below; HWD Serial Number 8081-8024. Overhaul includes all work necessary to repair the dedicated tow vehicle and repair trailer by replacement. The contractor shall uninstall all components attached to the existing HWD trailer, provide new trailer, and install refurbished Government components or provide new components as required to produce a complete and useable heavy weight deflectometer and tow vehicle. Major components of the overhaul, maintenance, and repairs:

- Provide and install HWD Trailer Common REV B: Solid trailer, dual axle, with solid electric brakes, alloy wheels on trailer and spare, with manual jack, new powder coating to the frame/subframe, provide a protective coating to surfaces that require corrosion protection, and provide griptape on areas that require traction
- Provide and install deflection sensors (7+2 spares)
- Provide necessary plugs for repairs including 5 pin @180 Din and 5 pin @ 240 Geophone
- Provide and install (Raytek IR TX Series and cable) air temperature sensors, brackets, and cables
- Provide and install new vehicle control switches (communication with CP15, beacon light, auto throttle, etc.) on the table behind the driver's seat (not passenger's seat)
- Provide and install HWD load cell
- Provide and install HWD strike plate Rev A
- Provide and install HWD Sub-assembly REV A
- Provide and install HWD Falling Weight
- Provide and install HWD Auto locks
- Provide and install HWD Catch REVA
- Provide and install HWD Side Cylinders REV A
- Provide and install HWD Center Cylinders REV A
- Provide and install HWD Hydraulics
- Replace falling weight
- Provide battery voltage
- Provide plug and cap for Ethernet cables
- Provide RJ-45 adapt for switch box
- Provide CAT 5E CP15 to trailer front and front to Adpt
- Re-plate HWD weights
- Move/remount rear camera to above the van's rear doors to serve as backup camera
- Provide and install solar trickle charger (PulseTech SP-5 solar charger)
- Modify lexan workstation cover/dampen noise
- Repair trailer beacon switches (located in the tow vehicle)
- Provide and install vehicle control switches (communication with CP15, beacon light, auto throttle, etc.) on the table behind the driver's seat (not passenger's seat).
- Provide a flood light spotlight system on top of the van for night work
- Provide repairs to the tow vehicle including dash repairs and detailing inside and out.
- Provide and install replacement parts up to \$3000 allowance for spare parts.
- Provide a Strategic Highway Research Project (SHRP) compatible reference calibration of load cell and deflectors.
- Replenish of the spare parts kit.

- Update to the latest revision of the Dynatest CP15 firmware and the Dynatest Control Center Software on the existing data collector.
- Calibrate the entire system with the existing data collector
- Provide all parts service and labor for repairs
- Provide all software/firmware updates on backup removable media.
- Provide documentation on the hardware installations and SHRP reference calibrations.

Dynatest HWD and tow vehicle equipment is used for airfield pavement load evaluations. The equipment has been in service for several years and is in critical need for repairs. Broken and/or worn components of the HWD and tow vehicle system require repair to be functional.

**UNIQUE CHARACTERISTICS THAT LIMIT AVAILABILITY TO ONLY ONE SOURCE, WITH THE REASON NO OTHER SUPPLIES OR SERVICES CAN BE USED:**

Dynatest is the manufacturer of the Government's owned HWD (which includes trailer and tow vehicle). Dynatest is the only company that can service and repair the government owned Dynatest HWD (tow vehicle and trailer).

**REASON THAT SUGGESTED SOURCE IS THE ONLY SOURCE WHICH CAN PROVIDE THE SUPPLIES OR SERVICES:**

[REDACTED]

Other companies cannot service and repair the HWD equipment. The equipment is highly specialized equipment only manufactured by Dynatest. Only Dynatest can provide the services that are needed to repair the equipment.

**EXPLAIN WHY AN ADEQUATE PURCHASE DESCRIPTION OR OTHER INFORMATION SUITABLE TO SOLICIT BY FULL AND OPEN COMPETITION HAS NOT BEEN DEVELOPED OR IS NOT AVAILABLE:**

Only Dynatest can service this equipment because integral parts, specifically the HWD parts are manufactured by Dynatest. Only Dynatest can service and calibrate this system.

**PROVIDE A STATEMENT OF ACTIONS, IF ANY, THE GOVERNMENT MAY TAKE TO REMOVE OR OVERCOME ANY BARRIERS TO COMPETITION BEFORE FUTURE ACQUISITIONS ARE REQUIRED:**

The equipment is manufactured by Dynatest and therefore needs to go to Dynatest for service, maintenance, and calibration. As new systems are developed we evaluate the new technology and other options.

I certify that the statements above are complete and correct to the best of my knowledge.

SIGNATURE, TITLE OF CUSTOMER and ACTIVITY

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
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[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
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