

**STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION**

**EQUIPMENT SPECIFICATION** **39-13** **04/2017**

**TRUCK MOUNTED ATTENUATOR (TMA)**

**GENERAL:** The complete truck mounted attenuator (TMA) system shall be designed to make attachment to a variety of support vehicles and be raised and lowered from inside the cab of the support vehicle. TMA system shall be raised and lowered 180 degrees. Major components stay together when detached from the support vehicle. The TMA must be capable of being mounted to a variety of vehicles with sizes ranging from 16,000 GVW to 26,500 GVW and still meet the NCHRP350 tests outlined below. The TMA frame shall be capable of collapsing when impacted by an errant vehicle. No portion of the TMA shall protrude forward under the truck damaging its vital elements during an impact. The TMA shall not protrude over into or under the truck when impacted. The TMA shall not impede the line-of-site of an arrow board or message board mounted on the truck and a height of 7'-0" to the bottom of the board. The TMA shall be delivered assembled and ready for attachment to the support vehicle. Standard mounting hardware that was used in crash testing certification shall be provided.

**FILL IN ALL SPACES SHOWING SPECIFIC INFORMATION, FAILURE TO COMPLY COULD RESULT IN BID REJECTION.**

REFERENCE MODEL: SAFE STOP 180TMA or equal

VENDOR'S PROPOSED TMA: MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

<u>MINIMUM REQUIREMENTS</u>	<u>VENDOR'S PROPOSAL</u>
<b><u>MAJOR COMPONENTS:</u></b>	
Re-usable steel frame with articulating arms	_____
Dual cartridge attenuation system	_____
Steel backup attachment to host vehicle	_____
Hydraulic system capable of raising and storing the rear section of the system 180 degrees for transport and storage	_____
<b><u>DIMENSIONS:</u></b>	
L 13'2" x W 93" x H 45"	_____
<b><u>CRASH TESTING CRITERIA:</u></b>	
The TMA must have successfully passed NCHRP Report Test Level 3 and/or MASH 2016 Standards	_____
<b><u>MISCELLANEOUS:</u></b>	
The TMA shall have a lighting assembly, reflective devices	_____

**MINIMUM REQUIREMENTS**

**VENDOR'S PROPOSAL**

and associated equipment.

The surface of the impact frame shall display a black and yellow inverted chevron pattern with 4 inch wide color bands.

**SERVICE AND PARTS:**

- a) Bidder shall furnish upon request, a list of established manufacturer's authorized locations where an adequate stock of current parts and services are available.
- b) Consideration in awarding bids shall be given to parts and service availability.

**INSPECTION AND DELIVERY OF EQUIPMENT TO COMPLY WITH  
VENDOR'S INSTRUCTION SHEET**

**SERVICE MANUALS & PARTS BOOKS:**

Successful bidder shall furnish one (1) Operators Instruction Manual, one (1) Parts Book and one (1) Illustrated Repair Manual to each Division purchasing one or more TMA.

**SERVICE POLICY:**

Manufacturer's Standard Service Policy shall be furnished, complete and unaltered with each unit delivered.

**SPECIFICATIONS:**

Each bidder shall submit complete manufacturer's specification in duplicate and other data to show his proposal meets these specifications and further guarantees that the machine furnished strictly complies with the manufacturer's specifications.

**THE STATE OF OKLAHOMA RESERVES THE RIGHT TO WAIVE MINOR  
TECHNICALITIES UNDER THESE SPECIFICATIONS.**

**MINIMUM REQUIREMENTS**

**VENDOR'S PROPOSAL**

**DEMONSTRATION:**

Bidders may be required to demonstrate the make and model machine bid, prior to the award to assure equality, correct specifications and productivity of subject machine.

**SERVICE AND WARRANTY:**

The Vendor shall furnish a standard Manufacturer's Service and Warranty Policy and shall pay any cost of inspection and adjustment that may be necessary in accordance with the Warranty. Because the maintenance of this equipment to remain in good operational condition without protracted time out for repairs is very important, it is essential that repair parts and service be adequate and readily available.

**VENDOR SHALL FILL IN ALL SPACES UNDER VENDOR'S PROPOSED; FAILURE TO COMPLY MAY RESULT IN BID REJECTION.**

**COMPLIANCE:**

Bidder shall furnish a statement in writing on the Bid or by attached letter and in the Vendor's Statement below, if their equipment proposed strictly meets these specifications. If not, they shall list each variation therefrom.

**MINIMUM REQUIREMENTS**

**VENDOR'S PROPOSAL**

VENDOR'S STATEMENT (EQUIPMENT PROPOSED COMPLIES): YES: \_\_\_\_\_ NO: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

DEALER: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ PHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

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