

**North Dakota Department of Transportation  
REQUEST FOR BID**

Bid Number: 550-42-16-050-02	Bid Opening Date & Time: 12/06/2016 02:00 PM
Items: Attenuator, Truck-Trailer Mounted	Buyer: Gabriel Hoggarth
Bid Mailing Address: 608 E Blvd Ave	Telephone Number: 701-328-4465
City, State, Zip: Bismarck, ND, 58505	Email: ghoggarth@nd.gov
Contract Period: 12/01/2016 TO 09/30/2017	Date Prepared: 11/21/2016

Please submit your bid response on the attached forms in conformance with the instructions and specifications in the NDAC 04-12-01 - 04-12-16.

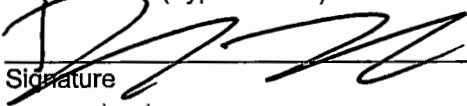
One copy of your bid response must be returned to the North Dakota Department of Transportation (NDDOT) prior to the time and date specified for bid opening. Bid responses received after the time and day specified for bid opening will be rejected. Mark envelope as instructed in "Mailing Instructions".

In consideration of the acceptance by the state of the offer made pursuant to the bid response, the vendor agrees and promises to sell, furnish, and deliver to the state, at the time, places, and prices specified in the bid response, all goods, merchandise, supplies, commodities, equipment, or other items contained in the bid response. The vendor shall fully perform in accordance with the terms and conditions contained in the bid response including all specifications, rules, or regulations mentioned therein, and shall comply with all applicable provisions of the NDAC 04-12-01 - 04-12-16 promulgated by the State Purchasing Division; such manual being made a part of this invitation by reference. The Risk Management Appendix and Appendices A and E of the Title VI Assurances, attached, are hereby incorporated into and made a part of this Request for Bid.

Bids may be rejected if the following is not signed by OWNER, PARTNER, CORPORATE PRESIDENT, VICE PRESIDENT, other AUTHORIZED CORPORATE OFFICER or a duly authorized representative. If signed by other authorized Corp. Officer or representative, please attach a letter signed by the OWNER, PARTNER, CORP. PRES., or VICE PRES. indicating the individual has authority to enter into a contract on behalf of the company (or a Power of Attorney).

By issuance of a purchase order, a contract is made and entered into by and between the North Dakota Department of Transportation and:

Vendor Name <b>HIGHWAY SAFETY ZONE LLC</b>		
Mailing Address <b>25385 US HIGHWAY 169, ZIMMERMAN, MN 55398</b>		
Telephone Number <b>612-605-7551</b>	Fax Number <b>612-605-7551</b>	E-mail Address <b>Dale@hwysafetyzone.com</b>

**Drew Nielsen Vice President**  
 Name & Title (Type or Print)  
  
 Signature  
**12/5/16**  
 Date

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer or bid may be rejected. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)



the binding nature of this contract and incorporates this contract, including any attachments. The contractor is solely responsible for the performance of any subcontractor. The contractor shall not have the authority to contract for or incur obligations on behalf of the State.

12. **Successors in Interest.** The provisions of this agreement shall be binding upon and shall inure to the benefit of the parties hereto, and their respective successors and assigns.

13. **Service Representative.** The contractor must provide a dedicated customer service representative to provide support for this contract. The contractor shall notify the Procurement Officer in the event the representative is changed.

NAME: DALE BRADDOCK  
(Name of person servicing this contract)

BUSINESS NAME: HIGHWAY SAFETY ZONE

MAILING ADDRESS: 25385 US HWY 169

CITY & STATE: ZIMMERMAN MN ZIP CODE: 55398

PHONE NUMBER: 612-605-7551 TOLL FREE: \_\_\_\_\_

FAX NUMBER: 612-605-7551 E-MAIL: dale@hwysafetyzone.com

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
SPECIFICATIONS  
FOR**

**TRUCK-TRAILER MOUNTED ATTENUATOR**

**(Energy Absorption model SST, Scorpion model 10002-TL3-12TA or Approved Equal)**

The intent of this specification is to replace a trailer TMA that was destroyed in a crash with the same or equal model TMA. The TMA that was destroyed was an Energy Absorption (SST) Safe Stop trailer unit. The TMA will be pulled behind a single or tandem axle plow truck. The TMA shall safely absorb collision energy when impacted by an oncoming vehicle. The trailer shall be standard production of the latest model with standard accessories and in addition meet the following minimum specifications:

	Comply Yes No	SPECIFICATION DEVIATION
<b>1. Crash Performance</b>		
a. Must meet at minimum NCHRP 350 test level 3 requirements; including NCHRP 350 Test 3-50, Test 3-51, Test 3-52 and Test 3-53, (no exceptions)	X	
<b>2. Axles</b>		
a. Axle must meet the required gross vehicle weight rating of the trailer	X	
b. Equalizer spring or torsion suspension	X	
<b>3. Wheels and tires</b>		
a. Sufficient sized wheels and tires that meets or exceeds the load rating of the trailer	X	
b. Galvanized steel rims	X	
c. Must provide one spare matching wheel and tire, with spare tire mount	X	
d. Meet Federal DOT requirements for conspicuity marking	X	
<b>4. Frame/Chassis</b>		
a. Frame and chassis to be fabricated from corrosive resistant materials, such as aluminum or galvanized steel, painted steel is not acceptable on framework of TMA unit.	N/A	
b. Meet Federal DOT requirements for conspicuity marking	X	
c. Must have full fenders	X	

## 5. Hitch

- a. 3" ID pintle eye with height adjustment of minimum 24" to maximum 34" above ground surface
- b. Safety chains
- c. Dual trailer tongue jacks, one on each side of frame, that turn up when not in use or store with a transport holder when not in use. Alternate designs must be pre-approved.
- d. Must be able to connect to NDDOT truck pintle hitch which can vary in height from 24" to 30" and still meet the NCHRP 350 test level III requirements. Attachment A is a drawing of our standard hitch design. The plate is 3/4" steel. Although the pintle cradle indicates 24" it can vary from 24" to 30" on some older trucks. Pintle hitch model is Holland PH410 series, 100,000 lb. load capacity. The proposed TMA must be compatible with this hitch design and pintle and still meet all NCHRP 350 test level III requirements.
- e. Hitch length to be long enough to provide adequate clearance from rear of towing vehicle. Vendor responsible for providing any hitch extensions necessary to provide adequate clearance. A NDDOT truck will be available for measurements upon request. Contact Shawn Hauck @ 701-328-2565 or smhauck@nd.gov to arrange a viewing. Any hitch extensions must be crash test rated.

Comply  
Yes No

SPECIFICATION  
DEVIATION

☒ ☐

☒ ☐

☒ ☐

☒ ☐

☒ ☐

## 6. Electrical

- a. The TMA shall come equipped with LED style brake lights, taillights, turn signals and an ICC bar light
- b. Seven pole round light connector with spring cable guard must have a minimum of 5' of cable extending beyond the pintle hitch
- c. Lighting shall meet all standard per NHTSA and SAE standards

☒ ☐

☒ ☐

☒ ☐

## 7. Arrow board

	Comply		SPECIFICATION DEVIATION
	Yes	No	
a. Must provide 48"X96" LED 25 light arrow board with controller and 30' of cable	X		
b. Steel construction on arrow board frame, painted black	X		
c. Must be able to manually tilt down the arrow board and lock into various positions	X		
i. Pivot point to tilt down arrow board must be minimum 8" below centerline of arrow board. <b>(no more than 16" to be protruding forward of arrow board frame when folded flat)</b> This design shall enable the arrow board to lay flat further away from rear of truck, thus minimizing interference with truck strobe lights or box corners when turning. <b>NDDOT would prefer pivot point to be at the bottom of arrow board allowing maximum clearance between truck box and arrow board during transit.</b>	X		
d. The TMA must meet NCHRP 350 test level 3 with the arrowboard installed	X		

#### 8. Manuals/parts information

- a. Two operators manuals, two parts books, and two repair manuals per unit

X

#### 9. Warranty

Manufacturer's one year full warranty (If the standard manufactures warranty is for a longer period it shall apply)

X

The trailer shall be delivered complete with arrow board, ready for attachment to the towing vehicle. The trailer shall be delivered free of any defects due to shipping or workmanship. The successful bidder will be required to furnish a statement of origin. The successful bidder may also be required to furnish a certificate of product liability. Product literature should be submitted with the bid.

MAKE: SAFE-STOP TRAILER TMA

MODEL: ENS SST

PARTS/SERVICE DEALER: HIGHWAY SAFETY ZONE

TELEPHONE: 612-605-7551

BIDDER: HIGHWAY SAFETY ZONE 550-42-16-050-02, Attenuator, Truck-Trailer Mounted

## Bid Response

Item No. 1 TRUCK-TRAILER MOUNTED ATTENUATOR

1 Each

(The award will be based on low bid to furnish and deliver the trailer(s) to the following location(s)):

1 each: \$ 23,820.80

NDDOT Grand Forks District  
1961 N Washington  
Grand Forks, ND 58208-3077

Item No. 2 EXTENDED PRICING: TRUCK-TRAILER MOUNTED ATTENUATOR  
Option No. 1

1 Each

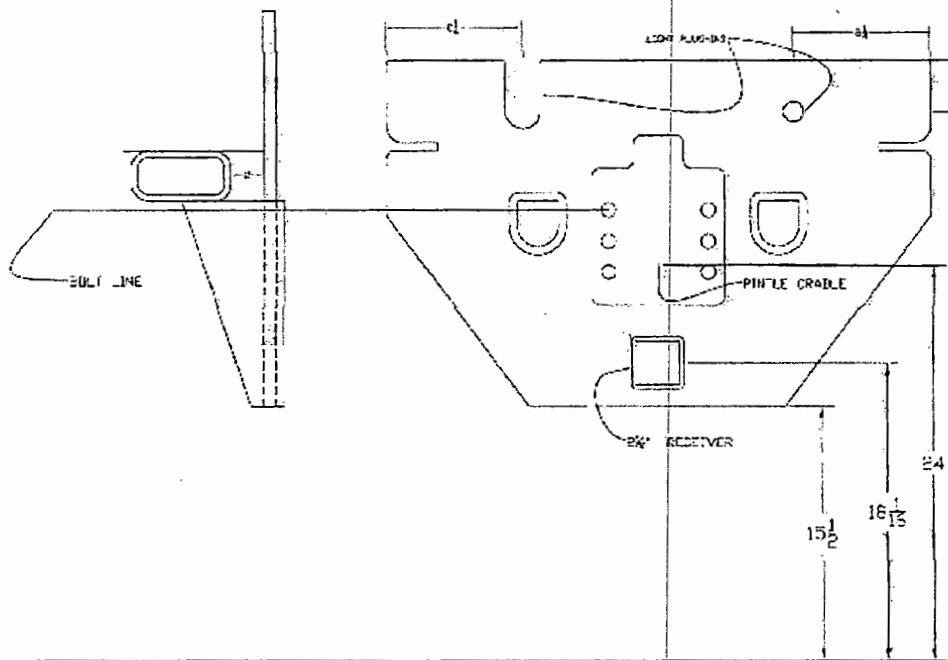
Bidder agrees to the following price until September 30, 2017:

1 each: \$ 24,621.50

Any NDDOT District  
\*\*\*Actual Freight Added When Ordered

NDDOT Standard Truck Hitch:

PROPOSED HITCH-



**Amendment No. 1**

To: ALL INTERESTED SUPPLIERS

From: North Dakota Department of Transportation

Date: November 30, 2016

Re: Amendment to Bid 550-42-16-050-02, ATTENUATOR, TRUCK-TRAILER MOUNTED

Bidders Instruction #9 of the solicitation established a deadline for receipt of questions. The responses to these questions are provided as addenda to the solicitation. When necessary, the solicitation has been amended.

**Question 1:** The Energy Absorption Model SST is one of the specified units called out in the solicitation. It is only available with a painted steel framework which will not comply with section 4 line A of the Frame/Chassis portion of the specification.

**Answer 1:** Manufacturers standard painted frame is acceptable.

**Question 2:** Will the Energy Absorption Vorteq TMA Trailer be considered as an approved equal?

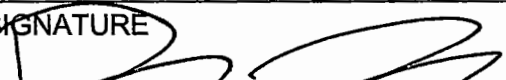
**Answer 2:** No, the Energy Absorption Vorteq TMA Trailer will not be accepted on this bid.

Vendors are instructed to acknowledge receipt of and compliance with this amendment by signing below and returning this acknowledgement with your bid or proposal.

Any questions regarding this amendment must be submitted in writing to the undersigned Procurement Officer.

Gabriel Hoggarth, Procurement Officer  
PHONE: 701-328-4465  
FAX: 701-328-0310  
E-MAIL: ghoggarth@nd.gov

By my signature below, I hereby acknowledge receipt of and compliance with this amendment to the above referenced solicitation.

PRINTED NAME OF BIDDER OR OFFEROR and TITLE Drew Nielsen COO	
SIGNATURE 	DATE 12/5/16