

Truck-Mounted Attenuators 20220603

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division VII: Traffic Control Facilities Title: Truck-Mounted Attenuators

Route Name:
Location:
Type of Closure:
Traffic Control Plan Number:
Traffic Control Coordinator:
Certified Traffic Control Supervisor:
Type of Attenuator:
N.C.H.R.P. Report \ M.A.S.H. Report Number for Attenuator:

Attribute Numbers	Compliance	Narrative	Reference
0.		<p>All stakeholders have participated in the pre-activity meeting (which can be combined with other pre-activity).</p> <p><u>Standard Specifications</u> 701- 3.08 Page 705 <u>Standard Specifications</u> Sub-section 701-3.01 Page 698</p>	<p>Standard Specifications 2021 701-3.01</p>
1.		<p>The Contractor has provided provide the Engineer with the name of the contractor's employee who is responsible for implementing, monitoring, and altering, as necessary, the traffic control plan (Traffic Control Coordinator).</p> <p><u>Standard Specifications</u> Sub-section 701-3.01 Page 698</p>	<p>Standard Specifications 2021 701-1</p>
2.		<p>The Contractor has provided ADOT with the name of the employee, or licensed Professional Engineer registered in the State of Arizona that has completed the ATSSA or the IMSA Traffic Control Supervisor "Certification" (Certification needs to be valid throughout duration of project).</p> <p><u>Special Provisions</u> 108.03 (108PRCN, 5/3/16) <u>Standard Specifications</u> 701-1(A) and 701-1(B) Page 693 <u>Manual on Uniform Traffic Control Devices</u> 6C.01 Line 03 Page 551</p>	<p>Standard Specifications 2021 701-1</p>

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3.	<p>The Contractor has supplied the ADOT field office with a letter certifying that the Truck-Mounted Attenuators (TMA) meets NCHRP 350 or M.A.S.H. requirements.</p> <p><u>Manual on Uniform Traffic Control Devices (MUTCD) 6F.86 Line 01 Page 617</u> <u>NCHRP 350 Report</u> <u>Manual for Assessing Safety Hardware (M.A.S.H.) Report</u> <u>Temporary Traffic Control Design Guidelines Page 10</u> <u>Standard Specifications 701-3.07 Page 703</u></p>	Standard Specifications 2021 701-3.07
4.	<p>There is an approved Traffic Control Plan (TCP).</p> <p><u>Standard Specifications 701-1 Page 693</u></p>	Standard Specifications 2021 701-1
5.	<p>Truck-Mounted Attenuators and Trailer-Mounted Attenuators are configured in conformance with the manufacturer's Recommendations and certification.</p> <p><u>Manual on Uniform Traffic Control Devices 6F.86 Line 09 Page 618</u> <u>NCHRP 350 Report</u> <u>M.A.S.H. Report</u> <u>Standard Specifications 701-3.07 Page 703</u></p>	Standard Specifications 2021 701-3.07
6.	<p>Truck-Mounted Attenuators and Trailer-Mounted Attenuators, that require chocking or blocking of the vehicle to meet NCHRP Report 350 or MASH certification shall not be used. {Has the Contractor submitted a NCHRP or MASH report that does not have this requirement noted for Roll Ahead Distance?}</p> <p><u>Standard Specifications 701-3.07 Page 703</u></p>	Standard Specifications 2021 701-3.07
7.	<p>When ballast (weight) is added to Truck-Mounted Attenuators and Trailer-Mounted Attenuators, it is secured so as not to shift or come loose.</p> <p><u>Commercial Driver License (CDL) Manual section 3.3 - Securing Cargo</u> <u>Standard Specifications 701-3.07 Page 704</u></p>	Standard Specifications 2021 701-3.07
8.	<p>When Truck-Mounted Attenuators and Trailer-Mounted Attenuators is being used as a TMA, no loose equipment is stored on the truck bed.</p> <p><u>Standard Specifications 701-3.07 Page 704</u></p>	Standard Specifications 2021 701-3.07
9.	<p>Truck-Mounted Attenuators and Trailer-Mounted Attenuators are furnished with a mounted attenuator have shoulder and lap restraint safety belts which are used by the driver (and passenger).</p> <p><u>Arizona Revised Statutes Title 28. Transportation § 28-909</u> <u>Standard Specifications 701-3.07</u></p>	Arizona Revised Statutes § 28-909
10.	<p>The Truck-Mounted Attenuators and Trailer-Mounted Attenuators have rear-mounted, black and high-intensity yellow chevron stripes.</p> <p><u>Standard Specifications 701-3.07 Page 703</u></p>	Standard Specifications 2021 701-3.07

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11.	<p>Truck-Mounted Attenuators and Trailer-Mounted Attenuators have a standard trailer lighting system, including brake lights, turn signals, ICC-bar lights, and 2 yellow rotating beacons strobe lights, or LED Lights mounted on opposite rear corners of the truck approximately 4.5 feet above the bottom of the tires.</p> <p><u>Standard Specifications 701-3.07 Page 703</u> <u>Manual on Uniform Traffic Control Devices 6F.86 Line 06 Page 617</u></p>	Standard Specifications 2021 701-3.07
12.	<p>The Truck-Mounted Attenuators and Trailer-Mounted Attenuators are kept clean for maximum visibility.</p> <p><u>Standard Specifications 701-3.07 Page 703 and 701-3.02 Page 699</u></p>	Standard Specifications 2021 701-3.07
13.	<p>Truck-Mounted Attenuators and Trailer-Mounted Attenuators are furnished at the locations shown on the approved traffic control plans.</p> <p><u>Standard Specifications 701-3.07 Page 703</u></p>	Standard Specifications 2021 701-3.07
14.	<p>The Truck-Mounted Attenuators and Trailer-Mounted Attenuators are positioned in advance of workers and equipment being protected in conformance with the "Roll Ahead Distance" in the manufacturer's certification.</p> <p><u>AASHTO's Chapter 9 Section 1A.11 Manual for Assessing Safety Hardware (M.A.S.H.) NCHRP 350 Report</u> <u>Temporary Traffic Control Design Guidelines Page 10 Manual on Uniform Traffic Control Devices 6F.86 Line 05 Page 617 and Line 07 Page 618</u> <u>Standard Specifications 701-3.07 Page 704</u></p>	Standard Specifications 2021 701-3.07
15.	<p>Truck-Mounted Attenuators and Trailer-Mounted Attenuators, Has a copy of the Certificate of Compliance, the letter regarding ballast shall be kept in the truck cab or host vehicle, available for immediate inspection when requested by the Engineer.</p> <p><u>Standard Specifications 701-3.07 Page 704</u></p>	Standard Specifications 2021 701-3.07
16.	<p>Operations requiring Truck-Mounted Attenuators and Trailer-Mounted Attenuators are ceased when the attenuation device (crash cushion) is damaged.</p> <p><u>Standard Specifications 701-3.07 Page 704</u></p>	Standard Specifications 2021 701-3.07
17.	<p>Changeable Message Boards mounted on trucks or trailer is installed per the manufacture's published instructions. The attenuator and truck, as a unit, are certified as crash worthy.</p> <p><u>Manual for Assessing Safety Hardware Report NCHRP 350 Report</u> <u>Standard Specifications 701-3.07 Page 703</u></p>	Standard Specifications 2021 701-3.07
18.	<p>All messages on truck-mounted Changeable Message Boards are approved by the Engineer.</p> <p><u>Standard Specifications 701-3.08 Page 705</u></p>	Standard Specifications 2021 701-3.08

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19.		<p>Changeable Message boards, Ninety percent or more of the pixels per character module are operating properly. The message must be understood, regardless of pixel count.</p> <p><u>Temporary Traffic Control Devices</u> https://adotnet.az.gov/content/quality-guidelines-temporary-traffic-control-devices</p>	<p>Standard Specifications 2021 701- 3.08</p>
20.		<p>Changeable Message boards is displaying the correct message of: Correct Arrow Symbols or Message of two phases (each phase is a maximum of Three Lines), the display time for each phase should be at least 2 seconds, and the sum of the display times for both of the phases should be a maximum of 8 second.</p> <p><u>MUTCD 6F.60 Line 17 Page 600</u> <u>MUTCD 6F.60 Line 20 Page 600</u> <u>Traffic Control Design Guideline 09/2019 Page 9</u> <u>Standard Specifications 701- 3.08 Page 706</u></p>	<p>Standard Specifications 2021 701-3.08</p>
21.		<p>The height of the Flashing Arrow Panel is 7' from the top of the roadway to the bottom of the panel (except on vehicle-mounted panels - should be as high as practicable).</p> <p><u>Manual on Uniform Traffic Control Devices 6F.61 Line 09 Page 601</u> <u>Standard Specifications 701-3.07 Page 703</u></p>	<p>Standard Specifications 2021 701-3.07</p>
22.		<p>Flashing Arrow Panel is visible for the type in use (A = 1/2 mile, B = 3/4, C = 1 mile and D = 1/2 mile).</p> <p><u>Manual on Uniform Traffic Control Devices 6F.61 Figure 6F-6 Page 602</u></p>	<p>Manual on Uniform Traffic Control Devices 6F.61</p>
23.		<p>Flashing Arrow Panel, Min Standard: two lamps out in the stem and none in the arrowhead; Chevron Mode: no more than one lamp out in any one chevron; and Caution Mode: four lamps functioning.</p> <p><u>Quality Guidelines for Temporary Traffic Control Devices, page 10 thru 12</u></p>	<p>Quality Guidelines for Temporary Traffic Control Devices Figures 10 thru 12</p>
24.		<p>The Approved Traffic Control plan is being followed.</p> <p><u>Standard Specifications 701-1 Page 693</u></p>	<p>Standard Specifications 2021 701-1</p>
25.		<p>Quantlist Minimum Frequency is being followed, one per week.</p>	<p>Construction Bulletin 07-01</p>