

## Work Zone Traffic Control 20220325

Diary Number: \_\_\_\_\_ Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_ Date: \_\_\_\_\_

### Division VII: Traffic Control Facilities

Title: **Work Zone Traffic Control**

Route Name:
Location:
Type of Closure:
Traffic Control Plan Number:
Traffic Control Coordinator:
Certified Traffic Control Supervisor:

No	Compliance	Narrative	Reference
0.		<p>All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).</p> <p><u>Standard Specifications Sub-section 701-3.01 Page 698</u></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.</p> <p><u>Standard Specifications Sub-section 701-3.01 Page 698</u></p>	<p>Standard Specifications 2021 701-3.01</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 and is "certification" (Cert needs to be valid throughout the project for the person that is creating the plan).</p> <p><u>Special Provisions Sub-section 108.03 (108PRCN, 05/03/16)</u>  <u>Standard Specifications Sub-section 701-1 (A) Page 693</u>  <u>Standard Specifications Sub-section 701-1 (B) Page 693</u>  <u>Manual on Uniform Traffic Control Devices (MUTCD) 6C.01 Line 03 Page 551</u></p>	<p>Standard Specifications 2021 701-1</p>

3.		<p>The contractor has supplied the ADOT field office with a letter certifying that the traffic control devices meet NCHRP Report 350 criteria or M.A.S.H. (Manual for Assessing Safety Hardware) requirements.</p> <p><u>NCHRP Report 350</u>  <u>Traffic Control Design Guideline Page 5</u>  <u>Manual for Assessing Safety Hardware (M.A.S.H.)</u>  <u>Standard Specifications 2021 Sub-Section 701- 2.01 (B)(1)</u>  <u>Page 694</u></p>	<p>Standard Specifications  2021 701- 2.01 (B)(1)</p>
4.		<p>Certifications contain the name and model of the tested traffic control devices, detailed drawings/product literature, and test conditions the devices passed.</p> <p><u>Standard Specifications</u> Sub-section 701-2.01 (B)(1) Page 694</p>	<p>Standard Specifications  2021 701-2.01 (B)(1)</p>
5.		<p>The Temporary Traffic Control (TTC) is based on the design speed of the facility prior to construction. When this is not feasible, the off-peak 85th percentile speed or existing speed limit (should govern the design).</p> <p><u>Traffic Control Design Guideline</u> Page 1  <u>Standard Specifications</u> Sub-section 701-3.01 Page 698</p>	<p>Standard Specifications  2021 701-1</p>
6.		<p>If the reduced speed is different than speed listed on project plans, the reason for reducing the speed limits is on file.</p> <p><u>Traffic Control Design Guideline</u> Page 2  <u>Manual on Uniform Traffic Control Devices (MUTCD)</u>  6C.01 Line 12 Page 551</p>	<p>MUTCD 6C.01</p>
7.		<p>The contractor's and ADOT's traffic control representatives have a current copy of the approved traffic control plan(s) including modifications.</p> <p><u>Standard Specifications</u> Sub-section 701-1 Page 693</p>	<p>Standard Specifications  2021 701-1</p>
8.		<p>Double Fine signing is used where workers are not protected by the barrier or where workers are less than 30 feet from the edge of the travel way.</p> <p><u>ARS § 28-652</u>  <u>ADOT Supplement to MUTCD 6F.12</u> Page AZ-72  <u>Traffic Control Design Guideline SA-12</u> Page A14</p>	<p>ADOT Supplement to  MUTCD 6F.12</p>
9.		<p>Double Fine signing is taken down immediately or covered when workers are not present in the Double Fines work zone.</p> <p><u>Standard Specifications</u> Section 107.01 Page 96  <u>ARS § 28-652</u>  <u>ADOT Supplement to MUTCD 6F.12</u> Page AZ-72  <u>Traffic Control Design Guideline SA-12</u> Page A14</p>	<p>ADOT Supplement to  MUTCD 6F.12</p>

10.	ADOT's traffic control designee routinely monitors traffic control for compliance with the approved plan. The contractor's designee shall be available at any time to respond to calls involving damage or displacement to barricades, lights, signs and other devices resulting from vandalism, traffic accident or other causes.  <u>Standard Specifications</u> Sub-section 701-3.01 Page 698 <u>ADOT Supplement to MUTCD</u> 6B.01 Page AZ-68	Standard Specifications 2021 701-3.01
11.	Transitions to lower speed limits are made in steps of no more than 10 mph.  <u>Standard Specifications</u> Sub-section 107.01 Page 96 <u>Traffic Control Design Guideline</u> Speed Limits within Work Zones Page 2 <u>ARS § 28-703</u>	Standard Specifications 2021 107.01
12.	Temporary lighting for night work does not glare or interfere with driver visibility, or create visibility problems for truck drivers, equipment operators, flaggers, or other workers.  <u>MUTCD</u> 6G.19 Page 629	MUTCD 6G.19
13.	Pedestrian traffic is protected or detoured around the work.  <u>Standard Specifications</u> Section 107.01 Page 96 <u>Standard Specifications</u> Sub-section 701-1 Page 693 <u>MUTCD</u> 6D.01 Page 561 <u>CFR 28</u> Part 36 Appendix A <u>ADA Title II</u> , Paragraph 35.130	MUTCD 6D.01
14.	All Workers, including flaggers, are wearing highly visible clothing (ANSI/ISEA 107-2004) and a hard hat. The contractor shall abide by OSHA Regulations, including, but not limited to, 29 CFR, Part 1926, and 29 CFR, Part 1910, as well as all applicable standards of the U.S. EPA, the ADEQ, and the U.S. Mine Safety and Health Administration (MSHA).  <u>Standard Specifications</u> 107.08 Page 100 <u>29 CFR</u> Part 1926 <u>MUTCD</u> 6E.02 Page 566	Standard Specifications 2021 107.08
15.	All conflicting signs are completely covered so they cannot be read or they are removed, in a manner that the sign is not damaged. The method used to cover signs shall not damage the reflective side of the sign.  <u>Standard Specifications</u> Sub-section 701-3.11 Page 707 <u>Traffic Control Design Guideline</u> Page 2	Standard Specifications 2021 701-3.11
16.	Signs panels are the correct size.  <u>Standard Specifications</u> Sub-section 701-1 Page 693 <u>MUTCD</u> Section 2C.04 Page AZ-47	Standard Specifications 2021 701-1
17.	Sign sheeting is the correct type and color.  <u>Standard Specifications</u> Sub-section 701-3.10 Page 707 <u>Standard Specifications</u> Section 1007 Page 1195	Standard Specifications 701-3.10

18.	Where practicable, spring stands are not used for more than three days (replace with embedded posts). When signs are used for long-term stationary work, they should be placed on posts.  Standard Specifications Sub-section 701-3.02 Page 699 Traffic Control Design Guideline Page 5 Construction Bulletin 11-07 <a href="https://azdot.gov/business/engineering-and-construction/construction/construction-bulletins">https://azdot.gov/business/engineering-and-construction/construction/construction-bulletins</a>	Construction Bulletin 11-07
19.	Embedded Post used for temporary signs follow manufacturer's requirements.  (MUTCD Section 2A.20)	Manufacturer's Requirement
20.	Signs on embedded posts are at the correct height (rural areas 5 feet and urban areas 7 feet).  Standard Specifications Sub-section 701-3.01 Page 698 MUTCD 6F.03 Line 04 Page 577 MUTCD Figure 6F-1 Page 581	MUTCD Figure 6F-1
21.	Temporary embedded sign supports, if wood, are Southern Pine, Douglas Fir, or other softwood. NCHRP 350 test / M.A.S.H. (Manual for Assessing Safety Hardware) certification or FHWA Letter of Acceptance is required if not per ADOT S-16 Standard Drawing.  Standard Specifications Sub-section 701-2.06 Page 698 Manual for Assessing Safety Hardware (M.A.S.H.) NCHRP Report 350 Traffic Group S-16 Standard Drawing for Temporary Wood Post <a href="https://azdot.gov/node/5286">https://azdot.gov/node/5286</a>	Standard Specifications 2021 701-2.06
22.	Signs on embedded posts are placed at the correct offset as shown in the traffic control plan (6 feet to 12 feet from the edge of pavement or a minimum of 2 feet behind the back of barrier, curb, or sidewalk to the nearest edge of the sign).  MUTCD Figure 6F-1 Page 581	MUTCD Figure 6F-1
23.	Signs mounted on spring stands to meet the manufacturer's height requirements.  Manual for Assessing Safety Hardware (M.A.S.H.) NCHRP Report 350 MUTCD 2A.18 Page AZ-33 MUTCD 6F.03 Page 577 MUTCD Figure 6F-1 Page 581	Standard Specifications 2021 701-2.01 (B)(1)
24.	All signs are mounted at right angles to the direction of traffic and facing the traffic they are intended to serve.  MUTCD 6F.04 Page 583 MUTCD 2A.20 Page 43	MUTCD 2A.20

25.		The sign stands, spring stands, and embedded posts are vertical.  <u>MUTCD 2A.20 Line 01 Page 43</u>	MUTCD 2A.20
26.		Within the reduced speed zone, temporary speed limit signs shall be placed at every major intersecting street or following every ramp entrance point that is open to traffic. The temporary speed limit signs should also be placed approximately every 2 miles if the distance between the major intersecting streets or ramp entrance points is greater than 2 miles.  <u>Traffic Control Design Guideline Page 3</u> <u>MUTCD 6C.01 Page 551</u>	Traffic Control Design Guideline
27.		In a work zone where the speed limit sign is reduced, a Regulatory speed limit sign indicating the existing speed limit should be placed approximately 500 feet beyond the end of the Work Zone unless there is existing speed limit signing in place within 1,000 feet of the end of the Work Zones.  <u>ARS § 28-703.01</u> <u>Traffic Control Design Guideline Page 3</u>	Standard Specifications 2021 107.01
28.		In Tapers ADOT practice for roadways with a posted speed of 40 mph or greater is to space channelizing devices at 40 feet on tapers? [For speed limits posted under 40 mph the spacing is 20 feet.]  <u>Traffic Control Design Guideline Page 6</u>	Traffic Control Plan
29.		In tangents was ADOT practice for roadways with a posted speed of 40 mph or greater is to space channeling devices at 80 feet on tangents? [For speed limits posted under 40 mph the spacing is 2 times the speed limit.]  <u>Traffic Control Design Guideline Page 6</u>	Traffic Control Plan
30.		The stripes (diagonals) on channelization devices are sloped downward at an angle of 45 degrees in the direction traffic is to pass.  <u>Standard Specifications 107.01 Page 96</u> <u>MUTCD 6F.66 Line 01 Page 607</u> <u>MUTCD 6F.68 Line 03 Page 607</u>	Standard Specifications 2021 107.01
31.		There are no unprotected materials, unused equipment, arrow panels, message boards, signs, barricades, or parked vehicles within the clear zone (generally 30 feet from the edge of the traveled way) unless an adequate barrier (guardrail or concrete) is present.  <u>Standard Specifications Sub-section 701- 3.01 Page 699</u> <u>MUTCD 6B.01 Line 09 Page AZ-71</u>	Standard Specifications 2021 701- 3.01

32.		When the work of a progressive nature is involved, the necessary devices are moved concurrently with the advancing operation.  <u>Standard Specifications Sub-section 701- 3.02 Page 699</u>	Standard Specifications 2021 701-3.02
33.		Signs are readable day and night and are kept clean and undamaged. There are no scratches, rips, or tears and there is no loss of fluorescence in the prismatic sheeting.  <u>Standard Specifications Sub-section 701- 3.02 Page 699</u> <u>MUTCD 6F.04 Line 01 Page 583</u>	Standard Specifications 2021 701-3.02
34.		The channelization devices are upright and are not knocked down.  <u>MUTCD 6F.63</u> <u>Standard Specifications Sub-section 701- 3.01 Page 698</u>	Standard Specifications 2021 701-3.01
35.		Ballast are not placed on top of any drums nor ballasted with rocks or chunks of concrete. Sandbags may be used as ballasts only on the lower parts of the barricades frames.  <u>MUTCD 6F.67 Line 05 Page 607</u> <u>MUTCD 6F.68 Line 14 Page 608</u> <u>Standard Specifications Sub-section 701- 3.01 Page 698</u>	Standard Specifications 2021 701-3.01
36.		Sheeting on channelizing devices is a minimum of Type IV, VIII, IX, or XI sheeting, conforming to AASHTO M 268.  <u>Standard Specifications Sub-section 701- 3.01 Page 698</u>	Standard Specifications 2021 701-3.01
37.		Channelization devices are kept clean and not damaged. There are no scratches, rips, tears, or loss of reflectance in the prismatic sheeting.  <u>Standard Specifications Sub-section 701- 3.02 Page 699</u> <u>Quality Guidelines for Temporary Traffic Control</u>	Standard Specifications 2021 701-3.02
38.		The cones are predominantly orange, fluorescent red-orange, and a minimum of 28 inches in height. They are in an acceptable condition.  <u>Standard Specifications Sub-section 701- 3.01 Page 698</u> <u>Traffic Control Design Guideline Page 6</u> <u>Quality Guidelines for Temporary Traffic Control</u> <u>MUTCD 6F.64 Line 01 Page 606</u>	Standard Specifications 2021 701-3.01
39.		Flags are mounted on all signs, excluding the End Road Work/Thank You sign.  <u>MUTCD 6F.02 Line 07 Page 07 Page 576</u> <u>Traffic Control Design Guideline Page 3</u>	Traffic Control Plan Notes
40.		Type A and C lights are visible on a clear night from a distance of 3000 feet (acceptable a minimum of 90% lights are in working order and no consecutive lights are out).  <u>Standard Specifications Section 107.9 Page 103</u> <u>MUTCD 6F.83 Line 10 Page 615</u>	Standard Specifications 2021 107.09
41.		Type B (flashing high intensity) lights are visible on a sunny day from a distance of 1,000 feet (acceptable if no more than one Type "B" light is out per work zone).  <u>Standard Specifications Section 107.9 Page 103</u> <u>MUTCD 6F.83 Line 10 Page 615</u>	Standard Specifications 2021 107.09

42.		<p>Placement of new pavement markings and removal of old markings is done immediately when the need arises. Temporary markings and devices shall be removed and new roadway marking completed within 24 hours after changes in traffic patterns.</p> <p><u>Traffic Control Design Guideline Page 8</u></p>	Traffic Control Plan Notes
43.		<p>All Temporary Traffic Control (TTC) devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods, TTC devices that are no longer appropriate shall be removed or covered.</p> <p><u>Standard Specifications Sub-section 701-3.02 Page 699</u> <u>MUTCD 6B.01 Line 09 Page AZ-71</u></p>	Standard Specifications 2021 701-3.02
44.		<p>Temporary Traffic Control devices are not extended beyond the anticipated duration of one work shift's production (all existing signs that were covered are uncovered).</p> <p><u>Standard Specifications Sub-section 701-3.02 Page 699</u></p>	Standard Specifications 2021 701-3.02
45.		<p>Approved Traffic Control Plan (TCP) is being adhered to.</p> <p><u>Standard Specifications Sub-section 701-1 Page 693</u></p>	Standard Specifications 2021 701-1
46.		<p>Temporary sign supports are removed at the completion of the project, the post holes filled, compacted, and the immediate area restored to match the surrounding area.</p> <p><u>Standard Specifications Sub-section 701-3.12 Page 708</u></p>	Standard Specifications 2021 701-3.12
47.		<p>Quantlist Minimum Frequency is being followed, one per set up or one per week.</p>	Construction Bulletin 07-01