

Inspector Quantlist Report 20250916

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VII: Traffic Control Facilities

Title: Changeable Message Boards

Route Name:	Location:
Type of Closure:	SMART Work Zone {SWZ} in use?
Traffic Control Plan Number:	Contractor's Certified Traffic Control Supervisor:
Equipment Numbers and Type:	Contractor's Traffic Control Coordinator:
Category of Work Duration: A. Long-term stationary (more than 3 days) B. Intermediate-term stationary (up to 3 days, or nighttime more than 1 hour) C. Short-term stationary (daytime more than 1 hour within a single daylight period) D. Short duration (up to 1 hour) E. Mobile (moves intermittently or continuously)	

Attribute Numbers	Yes, No N/A	Narratives	References
0.		Have all stakeholders participated in the pre-activity meeting?	See Project Special Provisions for pre-activity meeting requirements
1.		Has the contractor provided to the Engineer the name of their Traffic Control Coordinator, who is responsible for implementing, monitoring, and altering as necessary, the traffic control plan?	2021 Standard Specifications 701-3.01 pg. 698
2.		Has the contractor provided ADOT with the name and certification of their Traffic Control Supervisor? (Cert needs to be valid throughout the project for the person that is creating the plan)	2021 Standard Specifications 701-1 (A) (B) pg. 693
3.		Has the contractor supplied ADOT field office with a letter certifying that the Changeable Message Boards (CMB's) meet NCHRP Report 350 criteria or M.A.S.H. (Manual for Assessing Safety Hardware) requirements?	2021 Standard Specifications 701-2.01 (B)(1) pg. 694 701-2.04 pg. 696
4.		Has the contractor submitted at the pre-construction conference a Certificate of Compliance for the CMB's, to be used on the project, to meet the requirements of the Standard Specifications?	2021 Standard Specifications 701-3.08 pg. 705
5.		When deviating from an MOT plan included in the project plans, a revised TCP has been submitted by the contractor and has that TCP been reviewed and approved by the Engineer?	2021 Standard Specifications 701-1 pg. 693
6.		SWZ: Has the contractor submitted the SWZ system and the associated field devices as part of the Traffic Control Plan?	2021 Standard Specifications 710-2.01 pg. 800

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7.		SMART Work Zone (SWZ): Has the contractor submitted the SWZ technician name and credentials to the Engineer for Approval?	2021 Standard Specifications 710-2.01 (A)(2) pg. 801
8.		SWZ: Is the SWZ being monitored by the Approved technician?	2021 Standard Specification 710-2.01 (A)(2) pg. 801
9.		SWZ: Is the technician locally available while the SWZ system is in use and able to respond to system issues in person within one hour of notification?	2021 Standard Specification 710-2.01 (A)(2)(a) pg. 801
10.		SWZ: Has the contractor submitted a SWZ System Operations and Maintenance Plan for approval?	2021 Standard Specifications 710-2.01 (A)(5) pg. 803
11.		SWZ: Has the contractor submitted a SWZ system plan with a communications site assessment and configuration plan to the Engineer for approval?	2021 Standard Specifications 710-2.01 (A)(3)(4) pg. 802
12.		SWZ: Has the contractor coordinated with the Engineer and provided the SWZ software user training to the Department representatives and has provided the Department representatives with SWZ software user access privileges including alert messages?	2021 Standard Specifications 710-3 pg. 822
13.		Are the CMB's located and used per the Approved Traffic Control Plan?	2021 Standard Specifications 701-3.08 pg. 705
14.		Are the CMB's, whether it be day or night, clearly visible and legible from 800-feet?	2021 Standard Specifications 701-3.08 (K) pg. 705 MUTCD 11th Edition 6F.60 Line 11 pg. 599
15.		Are the CMB's using the approved messages? (Approved messages are on file)	Traffic Control Plan MUTCD 11th Edition 1D.08 pg. 34 Tables 1D-1 Tables 1D-2
16.		Are the CMB's capable of displaying up to two messages in sequence, with minimum variable timing in quarter second increments?	2021 Standard Specifications 701-3.08 (J) pg. 705
17.		Do the CMB's have a minimum character pixel area of 18 inches by 12 inches?	2021 Standard Specifications 701-3.08 (D) pg. 705
18.		When a changeable message is divided into two phases; Is the display time for each phase at least 2 seconds, and the sum of the display times for both of the phases a maximum of 8 seconds? (each phase is a maximum of three lines)	2021 Standard Specifications 701-3.08 pg. 705 MUTCD 11th Edition 6L.05 Line 20 pg. 831
19.		Are the CMB's protected with a clear Lexan-type or equivalent shield that does not interfere with or diminish the visibility of the sign message?	2021 Standard Specifications 701-3.08 (H) pg. 705

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20.		Are the CMB trailers offset at least 8-feet from the nearest edge of the pavement?	2021 Standard Specifications 701-3.08 pg. 705
21.		When located behind a temporary concrete barrier (TCB), is there a minimum offset of 6-feet for the trailer of the CMB's?	2021 Standard Specifications 701-3.08 pg. 705
22.		When shoulder-width is not available, is there a minimum 2-foot offset from the nearest edge of pavement for the trailer of the CMB's?	2021 Standard Specifications 701-3.08 pg. 705
23.		Are the CMB's when positioned on the shoulder, delineated with a minimum of 10 Type II barricades or vertical panels with Type C steady burn lights with a spacing of 10 to 20 feet?	2021 Standard Specifications 701-3.08 pg. 705 ADOT Temporary Traffic Control Design Guidelines, Figures SA 13 - SA 17
24.		Are the CMB trailers placed on a level surface and secured by means of the manufacturer's recommendations?	2021 Standard Specifications 701-3.08 pg. 705
25.		Are the CMB's set 5-feet (in rural areas) or 7-feet (in urban areas) from the top of the roadway to the bottom of the panel when in operation?	MUTCD 11th Edition 6L.05 Line 26 pg. 832
26.		When not in use, are the CMB's moved a minimum of 30 feet from the edge of the pavement, outside of the clear zone?	2021 Standard Specifications 701-3.08 pg. 705
27.		Are no less than ninety percent (90%) of the pixels per character module operating properly on the CMB's? (the message must be understood, regardless of pixel count)	Quality Guidelines for Temporary Traffic Control Devices pg. 39
28.		Are additional CMB's added on the same side of the road, whenever a message is longer than two phases? (each phase = three lines)	MUTCD 11th Edition 6L.05 Line 21 pg. 832 ADOT Temporary Traffic Control Design Guidelines pg. 9
29.		Are multiple CMB's separated from each other by a distance of at least 1,000 feet on freeways and expressways, and by a distance of at least 500 feet on other types of highways?	MUTCD 11th Edition 6L.05 Line 21 pg. 832
30.		Are the CMB's being used the correct size?	MUTCD 11th Edition 6L.05 Line 16 pg. 831 ADOT Temporary Traffic Control Design Guidelines pg. 9
31.		Is the approved traffic control plan being followed?	2021 Standard Specifications 701-1 pg. 693
32.		Is the Quantlist Minimum Frequency being followed, one per set up / one per week?	Construction Bulletin 07-01