

Inspector Quantlist Report 20231004

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IX: Incidentals

Title: End Anchor System (MASH) 26.5' Total Length

Plan Reference:	Route:
Begin Station:	End Station:
Offset from edge line:	

Attribute Number	Yes No N/A	Attributes	Reference
0		All stakeholders have participated in the pre-activity meeting.	Construction Bulletin 02-01
1		All permanent concrete barrier and guardrail components that are included on ADOT construction projects and are advertised after December 31, 2017 must be M.A.S.H. compliant. (Manual for Assessing Safety Hardware)	Roadway Engineering Design Memo Feb. 22, 2018
2		Certificate of Compliance or Certificate of Analysis conforming to the requirements of Subsection 106.05 shall be submitted.	Standard Specifications 2021 905-2 Pg. 1034, 1012-1 Pg. 1225, 106.05 A & B Pg. 89-90
3		The Contractor furnished Certificates of Compliance conforming to the requirements of Subsection 106.05, which state that steel or iron products incorporated in the project meet the "Buy America" Act requirements certifying that all manufacturing processes producing a steel or iron product, including any application of a coating to iron or steel, occurred in the United States.	Standard Specification 2021 106.05 Pg. 89 Special Provisions 106.15 23 CFR 635.410.

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4		When guardrail is being constructed, or reconstructed under traffic, the contractor shall conduct its operations so as to constitute the least hazard to the public and construction personnel. Traffic control shall be provided in accordance with the requirements of Section 701.	Standard Specification 2021 905-3.01 Pg. 1036
5		For High Strength Anchor Bolts, Certificate of Compliance is required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers. A Certificate of Compliance is required for non-High Strength bolts, nuts, and washers.	Materials Quality Assurance. Appendix C Table 8-1012

6		At least two working days prior but no more than 15 working days prior to commencing excavation, the contractor has contacted ARIZONA 811 (locating utility, pipes, box culverts and sleeves).	Standard Specification 2021 107.15 Pg. 116
7		The Cable Anchor Assembly shall be tightened to remove slack.	Standard Drawing C-10.08 (Note1 Sheet 1 & 2)
8		Match adjacent W-Beam Guardrail post type.	Standard Drawing C-10.08 (Notes Sheet 1)
9		5½" x 7½" x 48" BCT Timber Posts (For Post tubes #1 and #2)	Standard Drawing C-10.08 (Sheet 1)
10		Post tubes #1 and #2 are 72" x 6" x 8".	Standard Drawing C-10.08
11		The 6' 6" x 3" ground strut located between posts #1 and #2 is secured to the post tubes with 5/8" x 9 1/2" Hex Bolt and Hex Nut With Plain Round Washers Under Head and Nut.	Standard Drawing C-10.08 (Sheet 2)
12		The 8"x 8" Anchor plate at Post #1 has the 5" dimension up and the 3" dimension down, and is secured with two 8d galvanized nails.	Standard Drawing C-10.08
13		A 5 ½" x 2" Post sleeve is inserted in the base of post #1 before the cable anchor is placed through the post and tightened to remove slack.	Standard Drawing C-10.08
14		Guardrail elements are spliced by lapping in the direction of traffic in the nearest adjacent lane.	Standard Specification 2021 905-3.01 Pg. 1036

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15		Rail height of guardrail, transitions, terminals, long span, box culvert posts, and end anchors shall be within ± 1 inch of the control height shown on project plans. (MGS W beam Guardrail height is 31")	Standard Specification 2021 905-3.01 Pg. 1036
16		Quantlist Minimum Frequency is being followed, One per installation.	Construction Bulletin 07-01