

Inspector Quantlist Report 20190806

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IX: Incidentals

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

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

Attribute Numbers	Weight	Attributes	Reference
0	Minor	All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Construction Bulletin 02-01
1	Minor	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	Minor	Certificate of Compliance or Certificate of Analysis conforming to the requirements of Subsection 106.05 shall be submitted.	Standard Specification 905-2 Standard Specification 1012-1 Standard Specification 106.05 A & B Special Provision 106.05 A & B
3	Minor	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.	Special Provisions 106.15 Standard Specification 106.05 23 CFR Part 635
4	Critical	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 905-3.01 Special Provisions 905-3.01
5	Minor	For other than High Strength Anchor Bolts, Certificate of Compliance required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers.	Construction and Materials, Materials Quality Assurance. Appendix C Table 8-1012

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6	Critical	AZ811 or Blue stake is done before placement of the post (locating utility, pipes, box culverts and sleeves).	Standard Specification 107.15 Special Provisions 107.15
7	Critical	The Cable Anchor Assembly shall be tightened to remove slack	Standard Drawing C-10.08 (Note 1)
8	Critical	Match adjacent W-Beam Guardrail post type.	Standard Drawing C-10.08 (Notes)
9	Major	5½" x 7½" x 48" BCT Timber Posts (For Post tubes #1 and #2)	Standard Drawing C-10.08
10	Major	Post tubes #1 and #2 are 72" x 6" x 8"	Standard Drawing C-10.08
11	Major	The 6' 6" x 3" ground strut located between posts #1 and #2 is secured to the post tubes with 5/8" x 9½" Hex Bolt and Hex Nut With Plain Round Washers Under Head and Nut.	Standard Drawing C-10.08
12	Critical	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")	Special Provision 905-3.01
13	Critical	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
14	Critical	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
15	Critical	Guardrail elements are spliced by lapping in the direction of traffic in the nearest adjacent lane.	Standard Specification 905-3.01
16	Minor	Quantlist Minimum Frequency is being followed, One per installation.	Construction Bulletin 07-01