

Inspector Quantlist Report 20181002

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IX: Incidentals

Title: Thrie-Beam Guardrail (Non-MASH)

Route Name:	Run Number:
Station Begin:	Station End:
To Bridge Barrier:	To Roadway Barrier:

Attribute Numbers	Yes/No N/A	Attributes	Reference
0.		All stakeholders participated in the pre-activity meeting.	Construction Bulletin 02-01
1.		The Contractor has submitted Certificates of Compliance conforming to the requirements of Subsection 106.05, which includes "Buy America" Act requirements. The certificate states that all manufacturing processes producing steel or iron products, including any application of a coating to iron or steel, occurred in the United States.	Special Provisions 106.15 Standard Specifications 1012-1
2.		Arizona 811 (Blue stake) is done before placement of the post (locating utility, pipes, box culverts and sleeves).	Standard Specifications 107.15 Special Provisions 107.15
3.		Test results were accepted and filed. Required for testing are three samples per type of Guardrail Fasteners, Bolts, and nuts.	Construction Manual 905-1
4.		Post spacing is in accordance with Bridge Structure Detail SD 1.03 (Plan Sheet).	Structure Detail Drawings SD 1.03
5.		The space around and under the posts placed in manually or mechanically dug holes shall be backfilled with moist soils placed in compacted lifts as approved by the Engineer.	Standard Specifications 905-3.02 Special Provisions 905-3.02
6.		Wood blocks are toe-nailed to post with one 16-penny nail on each side of the top of the block.	Special Provisions 905-3.02

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			Standard Specifications 905-3.02
7.		The S4S 10-inch x 10-inch x 8 feet long posts meet the required dimensions (+/-1/2-inch).	Policy and Procedure Directive Number 9.5.5.2
8.		The S4S 8-inch x 8-inch x 6 feet long posts meet the required dimensions (+/- 1/2-inch).	Policy and Procedure Directive Number 9.5.5.2
9.		The S4S 8-inch x 8-inch x 1-foot 2-inch block meets the required dimensions (+/-1/2- inch).	Policy and Procedure Directive Number 9.5.5.2
10.		The S4S 8-inch x 8-inch x 1-foot 10-inch blocks meet the required dimensions (+/-1/2-inch).	Policy and Procedure Directive Number 9.5.5.2
11.		G9 System: Modified Thrie-beam steel posts and blocks have back-up plates at each post, except at posts where the rail splice overlaps are made. {Superseded Construction Standard Drawings C 10.20}	Superseded Construction Standard Drawings
12.		Thrie-beam rail elements are lapped in the direction of traffic of the nearest adjacent lane.	Special Provision 905-3.01 Standard Specifications 905-3.01 Structure Detail Drawings SD 1.03
13.		Thrie-beam terminal connector is lapped with traffic of the nearest adjacent lane.	Special Provision 905-3.01 Standard Specifications 905-3.01 Structure Detail Drawings SD 3.01
14.		The top of the rail height is set at 28 inches minimum at the beginning of the Thrie-beam transition, and is set at 32 inches at the concrete half barrier.	Structure Detail Drawings SD 1.03
15.		G9 Systems: The top of the rail is set at 33 inches for the Modified Thrie-beam(Blocked out steel post). {Superseded Construction Standard Drawing C 10.20}	Superseded Construction Standard Drawings
16.		All bolts extend a minimum of two threads beyond the nut. If adjacent to pedestrian traffic the bolts shall be cut 1/4" from the nut.	Special Provision 905-3.01 Standard Specifications 903-3.01

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17.		All Other bolts extend a minimum of two threads beyond the nut.	Special Provision 905-3.01 Standard Specifications 905-3.01
18.		All bolts are installed as per plans, drawings, or other requirements (No loose or missing bolts).	Structure Detail Drawings SD 1.03
19.		Thrie-beam terminal connector complies with current Bridge Structure Detail Drawing SD 1.03 (Archived).	Structure Detail Drawings SD 1.03
20.		For elevations of less than 4,000', L-shaped or T-shaped markers, or flexible vertical delineators on the posts are placed according to table 905-1 or Standard Drawings.	Special Provisions 905-3.11 C Standard Specifications 905- 3.11 (C)
21.		For elevations of 4,000' and higher, the mounting height of the flexible guardrail markers from the top of the reflective sheeting is approximately 38"± 2 inches above the surface of the adjacent roadway (project plan sheets).	Standard Specifications 905- 3.11(B)
22.		For elevations of 4,000' and higher, the flexible guardrail markers are installed on every 18th post, beginning with the post number as specified in table 905- 1. {Special Provision 905-3.11 B to be installed at every six post and 905-3.11 C).	Special Provisions 905-3.11 C Special Provisions 905-3.11 B Standard Specifications 905- 3.11(B) Standard Specifications 905- 3.11(A) Special Provisions 905-3.11 A
23.		Silver faced tabs are installed on the right hand side of all roadways and the yellow faced tabs are installed on the left hand side of one-way roadways and ramps.	Standard Specifications 905-3.11 (A) Special Provisions 905-3.11 A
24.		All post mounted reflectors are mounted level and true.	Special Provisions 905-3.11 A Standard Specifications 905- 3.11(A)
25.		Side-mounted flexible vertical delineators shall be secured with two galvanized lag screws (1/8 dia. x 2 inches long)	Special Provisions

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		and flat washers.	905-3.11 A Standard Specifications 905- 3.11 (A)
26.		The Contractor shall remove and replace damaged delineation at no additional cost to the Department.	Special Provisions 905-3.11 A
27.		The Contractor shall remove and replace damaged delineation at no additional cost to the Department.	Standard Specifications 905-3.11 (A)
28.		Quantlist Minimum Frequency is being followed, One per installation.	Construction Bulletin 07-01