

Inspector Quantlist Report 20250630

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VI: Structures

Title: Roadside Sign Supports: Breakaway Posts

Plan Sheet Number:	Plans Reference Number:
Sign Structure Type:	Route:
Station:	Offset:

Attribute Numbers	Yes, No N/A	Narratives	References
0.		Have all stakeholders participated in a pre-activity meeting?	See Project Special Provisions for pre-activity meeting requirements
1.		Have the Certificates of Analysis conforming to the requirements of subsection 106.05 of the specifications been submitted for the breakaway sign post shapes?	2021 Standard Specifications 607-2.01 pg. 645
2.		Have the Certificates of Compliance conforming to the requirements of subsection 106.05 of the specifications been submitted for perforated sign posts?	2021 Standard Specifications 607-2.01 pg. 645
3.		Have the samples of bolts, nuts and washers been sent to the materials lab for testing and are on file with results?	Materials Testing Manual Series 900 Appendix C Table 8
4.		Have the survey reference points been placed and are they in accordance with project plans or approved survey outline?	2021 Standard Specifications 925-3 pg. 1102
5.		Is the offset from the roadway in accordance with the project plans or approved change?	Project Plan Signing Sheets
6.		Has the contractor conformed to the requirements of A.R.S. Section 40-360.21 through 29 before excavating in public streets, alleys, and utility easements?	2021 Standard Specifications 107.15 pg. 114
7.		Have the correct Type S or W posts been installed?	Project Plan Signing Sheets
8.		Were the concrete foundations constructed in accordance with the Standard Drawings for "W" Shape Breakaway post?	Signing and Marking Standard Drawings S-5
9.		Were the concrete foundations constructed in accordance with the Standard Drawings for the S4X7.7 Breakaway post?	Signing and Marking Standard Drawings S-6

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10.		Was the concrete used for breakaway sign post foundations class "B"? (Exception: utility concrete may be used for foundations post stub sizes S3x5.7, and S4x7.7.)	2021 Standard Specifications 607-2.05 pg. 648
11.		Were 8 vertical bars of the correct size, a 0.25" plain wire spiral with a 6" pitch installed with 3 flat turns on top and one flat turn on the bottom used to hold the cage together?	Signing and Marking Standard Drawings S-5
12.		Were the sign post bases centered in the concrete foundation and plumb?	Signing and Marking Standard Drawings S-5 Drawings S-6
13.		Were the tops' of the concrete foundation finished with a slope (mounded) to allow water to drain away from the center?	Signing and Marking Standard Drawings S-5
14.		On slopes, were the tops' of concrete foundations finished and slightly mounted above grade?	Signing and Marking Standard Drawings S-6
15.		Was the post stub set to the correct projection above the foundation according to the table on Standard Drawings S-5?	Signing and Marking Standard Drawings S-5
16.		Was the post stub projection set to a maximum of 4" above the top of the foundation?	Signing and Marking Standard Drawings S-6
17.		Are the plate slots beveled on the breakaway base plates and oriented in the correct direction for the right or left shoulders and gores?	Signing and Marking Standard Drawings S-5 Drawings S-6
18.		Are all plate notches saw cut, except that flame cutting is permitted provided, all edges are ground smooth and galvanized?	2021 Standard Specifications 607-2.02 pg. 645
19.		Are all plate holes drilled and galvanized?	2021 Standard Specifications 607-2.02 pg. 645
20.		Are all galvanizing runs and beads removed around the washer area?	Signing and Marking Standard Drawings S-5 Drawings S-6
21.		The sign posts are plumb using shims 2 each 0.012"± thick and 2 each 0.032"± thick? (4 shims per bolt maximum)	Signing and Marking Standard Drawings S-5 Drawings S-6
22.		The breakaway plate bolts are tightened to the correct torque? (Do Not Overtighten!)	Signing and Marking Standard Drawings S-5 Drawings S-6
23.		The post cut length is located a minimum of 3-1/2" below the bottom of the sign panel for W-Shape?	Signing and Marking Standard Drawings S-4

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24.		The post cut length is located a minimum of 2-7/8" below the bottom of the sign panel for S-Shape?	Signing and Marking Standard Drawings S-6
25.		Is the tension fuse plate on the front side of the sign post with the 3/8" break holes aligned with the post cut?	Signing and Marking Standard Drawings S-4 Drawings S-6
26.		Were flange holes drilled or sub-punched and reamed?	2021 Standard Specifications 607-2.02 pg. 645 Signing and Marking Standard Drawings S-4 Drawings S-6
27.		Were flat washers used at the bolt head and nut, for the fuse plate connection?	Signing and Marking Standard Drawings S-4 Drawings S-6
28.		For the S4x7.7 post, have only S-Shaped beveled washers been used for securing the back plate and tension fuse plate?	Signing and Marking Standard Drawings S-6 Detail "A"
29.		Do all bolts, nuts and washers conform to ASTM A 325 and are cadmium plated in accordance with ASTM B766 or zinc plated in accordance with ASTM B633?	2021 Standard Specifications 607-2.02 pg. 645
30.		Is the Quantlist Minimum Frequency being followed? (one per pour / day's production)	Construction Bulletin 07-01