

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VI: Structures

Title: Roadside Sign Supports: Breakaway Posts

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

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Recommended
1.		Approved Certificates of Analysis with all required information for breakaway sign post shapes are submitted.	Standard Specifications 607-2.01
2.		Certificates of Compliance conforming to the requirements of subsection 106.05 shall be submitted for perforated sign posts and U-channel sign posts.	Standard Specifications 106.05
3.		Samples of bolts, nuts and washers have been sent to the materials lab for testing and are on file with results.	Materials Testing Manual Series 900 Appendix C Table 8
4.		The survey reference points have been placed and are in accordance with project plans or approved survey outline.	Standard Specifications 925-3
5.		The offset from the roadway is in accordance with the project plans or approved change.	Project Plan Signing Sheets
6.		Blue stake (AZ811) is done prior to any excavation (locating utility lines, pipes, box culverts and sleeves, etc.).	Standard Specifications 107.15
7.		The correct Type S or W posts are installed.	Project Plan Signing Sheets

8.		The concrete foundation dimensions are in accordance with the details.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
9.		The concrete used for Breakaway Sign Post foundations Shall be Class "B", (Except Utility concrete may be used for foundations post stub sizes S3x5.7, and S4x7.7.).	Standard Specifications 607-2.05
10.		8 Vertical bars were placed using the correct size bars and 0.25" Plain Wire Spiral 6" Pitch with 3 flat turns to hold the cage together.	Signing and Marking Standard Drawings S-5
11.		The sign post base is centered in the concrete foundation and plumb.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6 Standard Specifications 607-3
12.		On flat ground, the concrete foundation top is finished as a dome (mounded) for the water to flow away from the center. On slopes, the concrete foundation top is slightly mounted above grade.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
13.		The post stub protrudes a maximum of 4" above the top of the foundation.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
14.		The plate slots in the breakaway base plate are beveled in the correct direction for right and left shoulders.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
15.		All plate notches are saw cut, except that flame cutting is permitted provided all edges are ground and galvanized.	Standard Specifications 607-2.02
16.		All plate holes are drilled and galvanized.	Standard Specifications 607-2.02
17.		All galvanizing runs and beads are removed around the washer area.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
18.		The sign posts are plumb using shims as required (4 shims per bolt maximum).	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
19.		The breakaway plate bolts are tightened to the correct torque.	Signing and Marking Standard Drawings S-5 Signing and Marking Standard Drawings S-6
20.		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
21.		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

22.		The tension fuse plate is on the front side of the sign post with the break holes (3/8") aligned with the post cut.	Signing and Marking Standard Drawings S-4 Signing and Marking Standard Drawings S-6
23.		Flange holes are drilled or sub-punched and reamed.	Standard Specifications 607-2.02
24.		Flat washers are used at the bolt head and nut for the fuse plate connection.	Signing and Marking Standard Drawings S-4 Signing and Marking Standard Drawings S-6
25.		The beveled washers S-Shape only 4 x 7.7 are used at nut when securing the back plate and tension fuse plate to the post (bolt head at plate side of connection).	Signing and Marking Standard Drawings S-6 Detail "A"
26.		Bolts, nuts and washers are ASTM A 325 and cadmium or zinc plated in accordance with the specified requirements.	Standard Specifications 607-2.02
27.		Two copies of a detailed list of all new signs installed on the project are provided by the contractor and submitted to the engineer.	Special Provisions 608-3.02
28.		Quantlist Minimum Frequency is being followed, one per pour / days production.	Construction Bulletin 07-01