

**FY 2011/2012 QC Category No. 13**  
**STATEWIDE INSPECTION GUIDELIST**  
**Traffic Control Aids**

***CRASH CUSHIONS***

1. The crash cushion is installed in accordance with the QPL.  
[Specs. 102 and 544, Index 430]
2. Check job guide schedule for any material certification needed.  
[CPAM 5.8.3, Job Guide]

***PAVEMENT MARKINGS***

3. Width and spacing of marking is per Indexes. [Indexes 17344, 17345, 17346, 17347]
4. The retroreflectivity is in accordance with Specs. [Specs. 102-10, 709-4, 709-7, 710-4, 711-4, 711-7, 713-4, 713-7, 971, FM 5-541]
5. Raised Pavement Markers (RPM's) are installed per Spec. and Indexes  
[Specs. 102-10, 706-4, Indexes 600 Sheet 13, 17345, 17352 and 17359]
6. Pavement markings which do not appear to meet the initial retroreflectivity are tested by the Department within 3 days of receipt of the contractor's certification. [Specs. 710-4]

***DELINEATORS***

7. Delineators are installed correctly. [Specs. 705-3, Indexes 17345, 17346, and 17359]
8. The color of delineators corresponds with the color of the traffic stripe.  
[Index 17345 Sheet 4, 17346 Sheet 6, MUTCD Section 3F]

***GUARDRAIL***

9. Guardrail is installed at the proper height of 1'-9" to the center of the beam, without rubrail, or 2' to the center of the beam with rubrail. [Index 400 Sheet 1 General Note 4, and Sheets 13, 15, 16, 18, 22, 23, 24, 25, and 26]
10. Galvanized nails are installed in offset blocks. [Index 400 Sheet 16]
11. End anchorages are properly installed. [Index 400, QPL Section 536]
12. Panels, end sections and special end shoes are lapped in the direction of adjacent traffic. [Index 400 Sheet 1 General Note 5]
13. Guardrail reflectors are in compliance and mounted at the correct spacing and location. Guardrail reflector color conforms to the near lane edge line. [Specs. 536-2.5 and 993-3, Index 400 Sheet 1 General Note 18, Sheet 15, 17, and MUTCD Section 3F]

14. Guardrail holes are enlarged by drilling and not by flame cut. All new edges have been galvanized. [Specs. 562 and 975, Index 400 Sheet 1 General Note 17]
15. The correct washers are used for guardrail. [Index 400, Sheet 19]
16. Guardrail blocks and posts are plumb. [Index 400, Sheet 21]
17. Check job guide schedule for guardrail material requirements and certifications needed. [CPAM 5.8.3, Job Guide]
18. Offset blocks are in conformance with the specified materials and sizes. All timber blocks are dressed on all four sides. [Spec. 536-2, Index 400 Sheet 1 Note 11 and 16, Sheets 13, 16, 19, 20, 21, and 22]
19. The designer approves any field changes to guardrail lengths and locations. [CPAM 7.3 and 7.4]
20. The backup plate is installed at all non-splice post locations for Modified Thrie Beam Guardrail Systems. [Roadway Design Bulletin 05-07, Index 400 Sheet 1 Note 15 and Sheet 13, 19, and 20]

### **SIGNING**

21. Signs are installed at proper location, offset, height and angle. [Specs. 700, Index 17302]
22. Signs are mounted on breakaway posts or frangible sign supports. [Specs. 700-2, Index 11860]
23. All nuts and bolts on signs are installed and tightened to their appropriate torque. [Index 11200 and 11860 Sheet 5]
24. Sign bolt threads are burred to prevent nut loosening. [Index 11200 Sheet 2 & 11860 Sheet 5]
25. Signs conform to the approved shop drawing or standard index. [Shop Drawings]
26. Sign posts are mounted plumb and have the correct diameter. [Index 11200 Sheet 2 and 11860 Sheet 5]
27. Span wire signage is in compliance with Index 17356. [Index 17356]
28. Manufacturer's certifications for retroreflectivity, aluminum, etc. are on file. [Spec. 700, Job Guide]
29. Relocated signs are properly maintained and protected. [Specs. 7-11]
30. Color is in compliance with the Standard Highway Signs Manual.
31. Sign foundations are installed at the correct depth. [Index 11200 and 11860 Sheet 3]