

**FY 2016/2017 QC Category No. 19**  
**STATEWIDE GUIDE LIST**  
**Maintenance Customer Concerns**

**SIGNS**

1. Round aluminum posts larger than 3½" diameter must be mounted on a slip base, in a concrete footing. [Index 11860, Sheet 1]
2. The horizontal slip joint on the slip base must be located 4 inches maximum above the finished ground elevation measured at the signpost centerline. [Index 11860 Sheet 5 Slip Base and Footing Detail, Index 11200 Sheet 2]
3. Where signs contain electric lines, an electrical fuse cut connection or quick disconnect plug must not be located above the mechanical breakaway connection. [Good Practice]
4. Sign mounting brackets use u-bolts and z-bars per index. [Indexes 11200, 11320, 11860 Sheet 4, and 13417]
5. Except for signs in narrow medians, where the median is too narrow to comply, sign faces are offset from the roadway with minimum skew and lateral clearance distances per index. [Index 17302]
6. Sign face is mounted at least at minimum elevation above the roadway per index. [Index 17302].

**GUARDRAIL**

7. New guardrail with no rub rail is installed 2'-1" from surface under face of rail to center of rail. Guardrail with rub rail is installed 2'-0" from surface under face of rail to center of rail. Minor exceptions per index. [Index 400, Sheet 1, General Note 4]
8. Galvanized 16d. nail is toe-nailed through top of timber offset block into timber post, per index, to stop rotation. [Index 400, Sheet 16]
9. Inspect end anchorages for proper installation. [QPL Section 536, Index 400]
10. Panels, end sections, and special end shoes are lapped in the direction of adjacent traffic. [Index 400 Sheet 1 General Note 5]
11. 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]
12. Use correct washers for each location per index. [Index 400, Sheet 19]
13. Guardrail blocks and posts are plumb. [Index 400, Sheet 21]

14. Certification for guardrail materials and Certificate of Compliance is provided. [Specs. 536-6.2, CPAM 5.8.3, Job Guide Schedule]
15. Offset blocks are in conformance with the specified materials and sizes. All timber blocks are dressed on all four sides. [Specs. 536-2, Index 400 Sheet 1 Note 11 and 16, Sheets 13, 16, 19, 20, 21, and 22]
16. Guardrail reflectors are mounted at the correct spacing and location with reflector color conforming to the near lane edge line and are in compliance with Spec. and Index. [Specs. 536-2.5 and 993-3, Index 400 Sheet 1 General Note 18, Sheet 15, 17, and MUTCD Section 3F]
17. The Designer approves any field changes to guardrail lengths and locations. [CPAM 7.3 and 7.4]

### ***PAVEMENT MARKINGS***

18. Width and spacing of marking is in compliance with the Design Standards. [Indexes 17344, 17345, 17346, and 17347]
19. The retroreflectivity is in accordance with the contract documents. [Specs. 102-10, 709-4, 709-7, 710-4, 711-4, 711-7, 713-4, 713-7, 971, FM 5-541]
20. Raised Pavement Markers (RPM's) are installed as required by contract documents. [Indexes 600 Sheet 13, 17345, 17352, and 17359, Specs. 102-10 and 706-4 ]

### ***TURF CONDITION***

21. All seed, sod and mulch shall be free of noxious weeds and exotic pest plants, plant parts or seed listed in the current Category I "List of Invasive Species" from the Florida Exotic Pest Plant Council (FLEPPC, [www.fleppc.org](http://www.fleppc.org)). [Specs. 981, 570-3, and 570-4]
22. Within the turf area, there are no bare spots larger than one square foot and provide an established turf as defined in Spec. [Spec. 570-4]

### ***FRONT SLOPE***

23. Front slopes provide a gradual transition from the edge of shoulder to the roadside ditch or toe of slope, as shown in the plans, with no ruts or washouts. Maintain the grade within a tolerance of 0.3 ft above or below the plan cross section. [Specs. 120-11 and 120-12]

## ***OBJECT MARKERS AND DELINEATORS***

24. Object markers and delineators are installed in accordance with the manufacturer's instructions. The top of the post should be 4' above the edge of pavement grade. [Index 17346 Sheet 2, MUTCD Section 3F]
25. Object markers and delineators are installed plumb. [Good Practice]
26. Post-mounted delineators on exit and entrance ramps are installed at a uniform height and uniform offset per plans and Index. [Index 17345 Sheet 4]
27. Post-mounted delineators at cross overs are installed at a uniform height and at offsets per Index. [Index 17346 Sheet 2]