

American Railway Engineering and Maintenance of Way Association

Letter Ballot 07-23-12

Proposed changes as follows:

Deleted text noted by ~~strikethrough~~.

Added text shown in **red**.

Add new Paragraph 5.1 e. (and renumber existing Paragraph e. to f.)

- e. Inspection under live load offers the best opportunity to observe bridge behavior. When practical, observe the bridge under traffic.**

Modify Article 5.2.5, Paragraphs a., d. and e. and delete Paragraph f (re-letter g. to f.) as follows:

5.2.5 SUBSTRUCTURE (20243)

- a. **Inspect** ~~Make a careful examination of~~ all piles and posts ~~for soundness,~~ particularly noting ~~particularly~~ the condition at points of contact with the caps, girts, bracing, sills, and at the ground or water line. **The inspector may need to dig around piles to make an accurate assessment of the pile condition.**
- d. ~~Note the condition of all lateral and longitudinal~~ **Inspect all** bracing-, including connections, for signs of defects such as decay, splits, excessive movement, and sway.
- e. ~~Examine the fastening systems of each bent for physical condition and tightness.~~ **Inspect fasteners for defects, such as missing, broken, and loose components. Verify fasteners provide the intended securement of components such as piles to caps and caps to stringers.**
- ~~f. Observe the bridge under movement of trains, when practical, to more accurately evaluate the ride condition and overall soundness of the structure.~~
- ~~g.f.~~ Examine the wingwalls and backwalls, note locations of leaking ballast, plank separation and timber deterioration.