American Railway Engineering and Maintenance of Way Association

Letter Ballot 07-19-05

1. **Committee and Subcommittee:** Committee 7, Timber Structures; Subcommittee 2, Material specification and design, rating and loading requirements for timber structures.

2. **Letter Ballot Number:** 07-19-05

3. **Assignment:** C2-1-16: Review and update Parts 1-3 and associated commentary of Chapter 7.

4. **Ballot Item:** Add Commentary Article 6.3.1.11 (see attached):

5. **Rationale:** Add commentary discussing lateral loading on timber piling due to stream flow pressure, ice pressure, and drift for timber piles in waterways in the rating section of Chapter 7. The commentary expands on why/when these lateral loads may be ignored.

6. **Vote:** Approve_____ Disapprove_____ Abstain_____

   *Note: If you have a conflict of interest on the topic being considered, you must mark the ballot "Abstain."

7. **Comments:** Comments must be provided when voting to disapprove or abstain. Use additional space on back or attach sheet as necessary.

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   _____

   _____

8. **Voting Deadline:** Please vote ONLINE. If you are unable to vote online, please e-mail your ballot to Stephanie Swanson at stephanie.swanson@bnsf.com. The deadline to vote is December 20, 2019.

9. **Signature:** I have read the regulations Governing AREMA Technical Committees and have complied with all its requirements.

   Signed: _____ Name (Please Print): _____

   Date: _____ E-mail (if changed): _____

Proposed changes as follows:

Deleted text noted by ~~strikethrough~~.
Added text shown in red.

Add new Commentary Article 6.3.1.11 as follows:

6.3.1.11 OTHER LATERAL FORCES

Stream flow pressure, ice pressure, and drift loading may be ignored, at the discretion of the engineer, in the rating of pile or frame trestles if the effects of the forces are determined to be inconsequential to the load rating. However, if it is determined that stream flow pressure, ice pressure, or drift have a sustained duration, these loadings should be considered when rating the bridge.