Abstract of:

Streetcar Track Construction: Multiple Answers to One Question
(Panel Presentation/Discussion – Final – Rev 4)

This proposed Panel will discuss the various designs presently employed for construction of streetcar tracks in urban streets, primarily for mixed traffic running. Each Panel member has been chosen for his/her expertise in a particular type of track construction, and will at the outset describe salient design and construction criteria, including the following items:

- Fundamental slab design: reinforced vs unreinforced concrete; single pour vs multiple-pour; mix design; finishing and control joints, etc.
- Electrical isolation of the rails; fastenings, maintenance accessibility, etc.
- Special Trackwork: types used; special features; replacement availability; etc.
- Construction methods employed; time of construction, including rehab; use of agency personnel and contractors
- Project delivery: DBB; DB; DBOM; DBOT; CMGC; etc.

The purpose of this Panel is to show the variety of ways that streetcar tracks are designed and built at present, and the reasons for the substantial differences in methodology. The Members listed all have broad knowledge of the streetcar trackforms used throughout North America and the world, on their own properties or in their consulting practices. The result should be the sharing of advice and information that will be helpful to practitioners in making decisions related to their own projects, and also produce material that will assist in the development of relevant Recommended Practices as part of the ongoing AREMA & APTA Joint Effort in this area. It is anticipated that the presentations of the Panel members will be formatted and submitted to be included in the Proceedings, and the Question & Answer discussion will be recorded and be available to interested parties after the meeting by request to the Moderator.

The Panel will consist of the Moderator and the following Members:

1. Mark Walbrun, Vice President, TranSystems, Inc., Chicago, IL
2. John Zuspan, Principal, Trackguy Consultants, Canonsburg, PA
3. Lawrence Lovejoy, Sr. Supervising Engineer, Parsons Brinckerhoff Americas, Inc., Pittsburgh, PA
4. James Teeple, General Supt. Way & Structures, Toronto Transit Commission, Toronto, ON, Canada
5. John Bollier, President, Stacy and Witbeck, Inc., Oakland, CA

Moderator:

William H. Moorhead, Member – AREMA Committee 12
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