

High Speed Test Support

Program Description:

- Testing of high speed equipment that addresses issues related to dynamic behavior of rail vehicles in terms of:
 - Derailment Safety
 - Ride Quality
 - Component Failure or Fatigue

Scope of Problem Addressed:

- Testing of railroad equipment for use in high-speed operation carried out for: Qualifying equipment, Recertifying vehicles, Addressing problems resulting from dynamic performance and suspension issues



Planned Milestones/Deliverables:

- Support Qualification Testing of NJ Transit ALP Model Locomotives and Multilevel Cars, TBD
- Completion of Draft Report Summarizing Modeling and Effect of Radial Arm Suspension, April 06
- Completion of Draft Report Summarizing Development of Acela Car Models

Lessons Learned:

No results yet.

Strategic Goals and Benefits:

- Provide recommendations for making safety related decisions and/or improvements to vehicle design and/or operation