

TECHNICAL SUPPORT FOR CRASHWORTHY F40 LOCOMOTIVE TEST

MANDATE

The Volpe Center is currently implementing a research program for developing crashworthiness standards for North-American locomotives. One aspect of this work involves the testing of a recently designed crashworthy locomotive.

DESCRIPTION

As a natural continuation of our design work on this same locomotive, SYSTRA Canada's (formerly CANARAIL) engineers provided technical support to TIAX and Volpe personnel for the locomotive modification and coupler test portion of the program. Work included the following:

- Assist TCI shop staff in implementing structural modifications previously designed by our team;
- Offer technical support for enabling the installation of crashworthy components on TCI's F40 test locomotive;
- Propose design modifications as required to account for site conditions;
- Review post-test condition of unit;
- Expand previous drawing packages to cover future testing of the locomotive with various crashworthy component configurations.



Rolling Stock

CLIENT
TIAX LLC

COUNTRY
USA

YEAR
2015-2018

DURATION
3 years

TYPE OF SERVICES
Technical Assistance

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