

In-Situ Locomotive Emissions Measurement



Project Description:

- Develop an on-board system for in-situ emissions testing in normal and over-the-road operations
- Increase public safety by developing a more efficient way to measure locomotive exhaust emissions.

Railroad Impact:

- Can be used for revenue service testing to obtain a better understanding of locomotive emissions under real life operating conditions
- Reduce time request for emissions tests
- Can be used for the identification of emissions concerns that are specific to revenue service; i.e., concerns that do not manifest themselves under test conditions

FRA Task Monitor: John Punwani

Schedule:

- **FY07** – Build prototype for installation in FRA GP-40
- **FY08**-Refine in-situ measurement system to include particulate measurements