Maine, New Hampshire and Massachussetts Departments of Transportation: Restoration of Portland-Boston Commuter Rail Service Study

Services Provided:
Served as lead demand forecasting consultant to perform forecasting services.

Description of Project:
TEMS staff were responsible for the demand forecasting and alternatives analysis for the restoration of rail service between Portland, Maine, and Boston, Massachusetts. The analysis identified the financial and economic benefits of restoring the rail service and recommended its implementation. Specific tasks included:

- Development of a study plan for State and FTA approval
- Completion of stated preference and origin-destination surveys and development of an origin-destination matrix for auto, air, bus and intercity/commuter rail
- Calibration of *COMPASS*© traffic forecasting model for total demand and modal split, including the new integrated intercity rail/bus service.
- Development of 25-year traffic forecasts for three purposes and four modes, including market shares and level of induced demand
- Development of operations plan using the *LOCOMOTION*© TPC Model, which provided stringline diagrams of train timetables and a fleet analysis of rolling stock needs.
- Financial and economic evaluation using *RENTS*© Model of alternative rail and integrated rail/bus strategies.
- Development of an implementation plan.

Project Start Date
November 1993

Similar Issues:
Ridership and Revenue Forecasting
Cost/Benefit Analysis