

## **PATH (Port Authority Trans Hudson) - 1991 to 1995**

Consulted on the New Fare Collection System for the Port Authority of NY/NJ. Responsibilities included system administration of multiple HP G40 UNIX hosts, data base administration of a 50 million dollar a year 5 gigabyte Ingress data base, and network administration of a multi-protocol fiber and copper network. with 80 UNIX machines. This was a large real time system that interfaced with hundreds of gate equipment distributed over a large geographic area including parts of lower Manhattan, Newark, and Jersey City. Rearchitected many DBMS functions to achieve orders of magnitude performance improvements for processing 250,000 transactions a day. Implemented enhancements to the system to better monitor the status of field equipment. Worked with upper management, revenue, audit, operations, and engineering departments in evaluating the system and improving the system. Developed a portable HP100LX application that provides field support with a compressed version of the central computer data base.