



E-Squared Engineering
43969 Tavern Dr., Ste 200
Ashburn, VA 20147
PH: 703-858-9545
FX: 703-724-0983
www.e-squared.org

SMART (Suburban Mobility Authority for Regional Transportation) Implementation of Advanced Transportation System for Lake Erie Transit Monroe, MI

Services Performed

Operations and Maintenance Plan Development and Implementation Strategy

Proposal Reviews

Industry 'Best Practices' Research



Key Staff Reference

Richard Easley

Client Contact

*Mark Jagodzinski,
General Manager
Lake Erie Transit
1105 W. Seventh Street
Monroe, MI 48161
(734) 242-6672*

Contract Award/ Performance Period

12/2003 - 11/2005

Type of Contract

Task Order

E-Squared Engineering assisted Lake Erie Transit (SMART) in the implementation of their Advanced Transportation System. E-Squared Engineering's role was two-fold: they researched best practices and subsequently developed Lake Erie Transit's Operations and Maintenance Plan and also supported TranSystems Inc. (the prime contractor) and the Lake Erie Transit Proposal Evaluation Team in the review and evaluation of Automatic Vehicle Location (AVL) systems proposals which were received as part of this project.

By developing the Operations and Maintenance Plan, E-Squared Engineering helped to lay the foundation for a successful ITS deployment by providing documentation which addressed issues such as staffing, training, documentation, infrastructure, preventative maintenance, funding, spare parts, warranty administration and local technical support. Differences between operations activities and maintenance activities in the various technology applications were also addressed in the plan.

E-Squared Engineering also assisted Lake Erie Transit in choosing the best qualified vendor for their AVL systems development by thoroughly reviewing each of the technical and cost proposals and providing a written evaluation for each of the proposals. The evaluation sheets highlighted important information imbedded in the proposals such as shortcomings with regard to requirements of the RFP, items that needed further clarification from the vendors, or any 'red-flags' of which the evaluation team should be aware. To assist further the evaluation team, E-Squared Engineering provided potential questions (and their rationale) to be asked of the final two short-listed vendors during their oral presentations.