

Client Contact

Glenn McLaughlin
Project Manager,
Maryland State
Highway Administration

Location

Maryland, USA

Services

- Public-private partnership for commercial traffic information
- System integration
- Development of traffic probe business model
- Development of applications for performance measurement, planning and management

Date

2004 – 2006

Key Personnel

Richard Mudge, Ph.D.
Zongwei Tao, Ph.D.
Michelle Maggiore, P.E.
Hubert Clay

Total Contract Value

\$1.9 million

P3 Technical and Project Management – Intermodal Freight Technology Working Group (IFTWG)

Scope of Services

The Intermodal Freight Technology Working Group is a public-private partnership (P3) focused on the identification and evaluation of technology-based options for improving the efficiency, safety, and security of intermodal freight movement. Working from this common goal, the IFTWG engages in actions to connect industry and government priorities in a way that leverages collective experience and shared investment. The IFTWG accomplishes this goal by:

- Cooperatively analyzing the intermodal freight transportation system to identify physical and information exchange choke points;
- Actively engaging leaders of industry, government, academia, and consulting in the open exchange of ideas;
- Exploring the feasibility of creative solutions to high priority challenges across all modes;
- Developing and executing pilot technology demonstrations through public-private partnerships; and,
- Sharing information, best practices, and lessons learned with the freight community at large.

The group is actively engaged in the pilot deployment of complex systems, in operational environments.

Project Description

Delcan provides key technical and project management support to the group’s sponsoring agency, the U.S. Federal Highway Administration (FHWA). The Company is a key component of the group, assisting the FHWA in defining priorities and assessing technology options, leading technical project work with stakeholder support, managing stakeholder relations, and providing facilitation services during conferences and work sessions.



P3 TECHNICAL AND PROJECT MANAGEMENT INTERMODAL FREIGHT TECHNOLOGY WORKING GROUP (IFTWG)

The IFTWG is engaged in the development of two major freight technology initiatives:

- 1) Electronic Freight Management (EFM) – a project that involves the development and implementation of an electronic manifest to be used by shippers, carriers, and consignees as a shipment progresses through an intermodal supply chain.
- 2) Cross-Town Improvement Project (C-TIP) – a project that seeks to improve efficiency, reduce congestion, improve air quality, and enhance the security of freight moves into and out of freight terminals, and through urban areas by leveraging a common intermodal information exchange network, real-time traffic monitoring, shared chassis management, wireless communications, and enhanced interchange facility management.

Additionally, the group is seeking valid pilot projects for enhanced freight operations under disaster conditions, such as those encountered during hurricanes Katrina and Rita.

Developing a comprehensive pilot project identification and vetting process enables the IFTWG partners to perform a rigorous analysis of potential technology solutions prior to committing the significant resources necessary to implement a pilot deployment.

The Intermodal Freight Technology Working Group supports the development of a cost-benefit methodology that can be used to comparatively assess the benefits and costs of various technology and process improvement alternatives. In addition, it supports the development, planning, and execution of working group meetings to include the compilation of technical and program management materials, the facilitation of industry panels, and work sessions. The IFTWG directs initiatives to define technical concepts and performance measures for technology deployments.

