

Client

Oregon Department of Transportation

Location

Portland, Oregon

Services

- Project Management
- Client/Server Software Development
- Oracle Data Warehousing
- User Requirements Workshop
- Integrated System High Level Design
- Statements of Work for High Level Objectives
- Implemented High Level Design to Statement of Work
- Definition Development Review and Acceptance tests

Date

December 2006

Key Personnel

Bruce Churchill
Ted Hancock
Dave Gaarsoe

Oregon Department of Transportation Transport ATMS Phase 2 Implementation and Maintenance Project

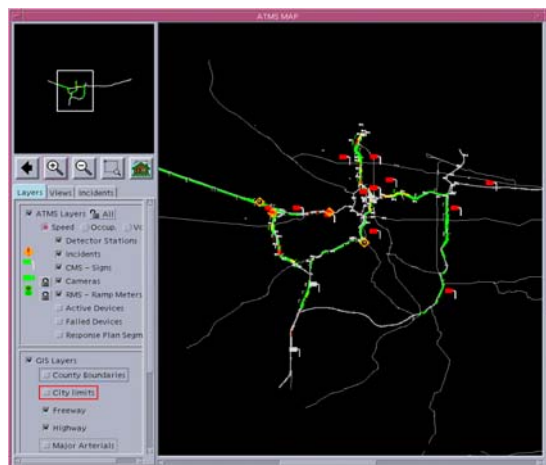
Scope of Services

The ODOT Traffic ATMS Group for Region One was seeking to upgrade their existing TransPort ATMS to add functionality and improved user interfaces.

Project Description

The major task for this project was to perform requirements derivation, systems analysis and statement of work development for six previously identified High Level Objectives to upgrade the ODOT TransPort Advanced Transportation Management System (ATMS) Phase 1 installation. These High level Objectives included: upgrading ramp meter functionality and implementing the System Wide Adaptive Ramp

Metering (SWARM) algorithm, integrating an existing paging system into the ATMS, integrating the existing COMET incident response vehicle Automatic Vehicle Location system into the ATMS, providing real-time ATMS data to the state's TripCheck transportation conditions Website, general Graphical User Interface upgrades and definition of a suitable development platform for continued



system upgrades and maintenance.

Since 2005, Delcan has been performing various maintenance activities for the ODOT Transport ATMS including feature enhancements, addition of new software drivers and implementation of new field device protocols.

Results

Each of these desired improvements were enhancements to the baseline Phase 1 TransPort ATMS previously operational in Portland. This ATMS system was the basis for Portland's evolving TransPort 2000 regional ITS integration project.