

Client

Oregon Department of Transportation
Region 1
Chuck Larsen
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Location

Portland, Oregon

Services

- Derivation, Systems Analysis, and Statement of Work

Date

2005

Key Personnel

Debra Gilbert
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Oregon Department of Transportation Transport ATIM Implementation

Scope of Services

ODOT Region One partnered with the City of Portland, the regional transit provider Tri-Met and the Port of Portland (Portland International Airport) to build a regional Advanced Traveler Information System (ATIS) network that collects traffic, transit, event and airport data, converts it to an industry standard XML format and makes it available to one or more data consolidators in the region. The project also provided consolidated data to each of the partners. The project tied into the award-winning ODOT TripCheck statewide traveler information web site.

Project Description

The major task for this project was to perform requirements derivation, systems analysis and statement of work development for two previously identified High Level Objectives to create a regional ATIS system. These High level Objectives included implementation of private-public and public agency-public agency information sharing by mapping legacy data sources to a standard data interface and connecting designated partners on a regional network; and connecting the Portland International Airport to the regional network to share data with the City of Portland, ODOT and Tri-Met. The ATIS system is a component of Portland's evolving TransPort regional Intelligent Transportation Systems (ITS) integration project.

Results

Delcan accomplished the following work items for the ODOT ATIS Phase 2 project:

- Conducted user requirements workshops for each of the two High Level Objectives;
- Developed an Objectives of the System document for each of the two High Level Objectives that formally captures the consensus user requirements coming from the workshops and placed them into a requirements management tool;
- Developed an integrated system High Level Design that captured the data model and process model for the two High Level Objectives operating together;
- Developed two Statements of Work for each of the High Level Objectives that describe the methodology for incorporation of the approved requirements and the schedule and cost to accomplish each;
- After each definition development step in Phase 2, conducted the appropriate agency reviews to verify acceptance of progress; and
- Based on ODOT's selection of priorities, implemented the funded High Level Objectives according to the Statements of Work by performing database and software design, development and test activities.