

### 1.1.3 Development of a GPS Technology Management Plan for Louisiana DOTD

#### Presenter

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GPS technology has been adopted by different sections within the Louisiana Department of Transportation and Development (LADOTD) over the last decade with no uniform standards. It was unknown who was using GPS, what kinds of units were being used, and for what purposes. The current state of GPS within the Department needed to be assessed and compared with current best practices as defined by use within the Department, other large agencies, and the GPS industry.

The goal was to create a management plan to guide LADOTD's use of GPS technology into the future based on best practices derived from surveys of LADOTD personnel, other state and federal agencies, and the GPS industry. The plan proposes at least one high quality GPS receiver at each district office and several at the headquarters distributed to all GPS user groups. Receivers are to have laser range finders so points can be collected faster and at safe distances.

GPS management improvements will come in the form of a GPS committee within LADOTD made up of users and support staff. The committee will drive the overall vision of GPS usage and set standards for databases, operating procedures, coordinate accuracy, and training. Executing the plans will be a GPS coordinator (either a new position or modification to an existing position). The coordinator will also maintain the inventory of GPS units and coordinate device maintenance and upgrades.