



Public Sector

## SAS® Intelligence for Departments of Transportation

*Using SAS to manage transportation systems, safety, construction and lab materials*

State and local transportation departments, in conjunction with the U.S. Department of Transportation, are responsible for evolving the nation's transportation system, a huge task that can be achieved only by improving, integrating and leveraging current program management practices. Departments of transportation support a myriad of functional areas including mass transit and pedestrian services, traffic operations, and construction and maintenance of bridges, roads and waterway systems.

These state and local departments face increasing pressure to share data and collaborate with internal organizations as well as with other state and federal governments. More than 35 state departments of transportation use SAS to augment their current technologies and leverage existing resources. SAS allows organizations to share data and collaborate for reliable departments of transportation programs.

Departments of transportation can better serve citizens as well as a variety of state and federal agencies by focusing on several key areas and optimizing their overall performance strategy:

- **Intelligent Transportation Systems.** A program instituted nationally by Congress to improve the nation's transportation systems through integrated transportation management.
- **Materials and lab management.** Seeks to provide the most effective and efficient services and maintenance

to roads, water ports and airports. Responsibilities include paving, materials inventory and construction associated with durability, usage and wear-and-tear issues.

- **Highway safety.** Departments seek to adhere to TEA-21 legislation by developing programs that collect, measure and report highway safety data, driver registration and records to the National Highway Traffic Safety Administration.

### **A flexible framework for aligning strategy to reach your goals**

SAS is uniquely positioned to provide transportation departments with the information they need to deliver the best services and information while maximizing efficiency. Relying on an open, extensible framework, the SAS Intelligence Architecture is a flexible framework that makes the most of existing operational infrastructures, scales with growing enterprises and adjusts to meet changing needs and goals. Our intelligence architecture includes the following capabilities to integrate SAS' industry-leading solutions for transportation programs:

- **Data sharing and integration.** SAS has long been the acknowledged leader in data warehousing. Our award-winning solution facilitates enterprise data management to ensure a single, comprehensive view of data across departments, functions and agencies. SAS data warehousing technologies integrate seamlessly



with analytics and business intelligence applications to create and deliver the intelligence needed for successful transportation programs. SAS maintains the integrity of the information by monitoring data quality and providing enrichment capabilities.

- **Analytic intelligence.** Analytics are among the core strengths of SAS; the breadth of our advanced analytics provides power unmatched by any other vendor. By anticipating material and construction needs to deliver better services and information, transportation departments can ensure the safety of transportation systems while improving management of transportation initiatives. SAS' analytic intelligence enables organizations to draw real intelligence from volumes of raw data, fueling new discoveries and more accurate forecasts.

### **Geographic Intelligence**

SAS' partnership with ESRI, the market leader in geographic information systems (GIS) software, significantly increases the ability to illustrate spatial relationships in business applications. Both analytics and spatial relationships are key elements in solving problems that require evaluation of a physical location as part of strategic decision-making.

### **Performance management**

SAS® Strategic Performance Management assists transportation departments in developing a clear mission, strategy and a set of performance measures that ensure responsibilities are being fulfilled throughout the organization. Departments can manage integrated efforts across diverse organizational units and communicate their performance to internal and external audiences with greater transparency.

### **Implementation methodology**

At SAS, we believe that every implementation represents a technology partnership, not simply a consulting job. We guarantee that SAS' methodology will work as defined to solve a specific business problem. This approach to implementation succeeds because it is grounded on four key principles:

- Proof of concept/pilot.
- Iterative deployment.
- Integration and augmentation.
- Ease of use.

### **An end-to-end infrastructure that consistently demonstrates value**

With more than a quarter-century of proven experience, SAS is the acknowledged industry leader and innovator in analytical intelligence, data warehousing

and business intelligence. SAS integration capabilities surpass those of other vendors in making intelligence immediately accessible any time, any place and in the appropriate form.

SAS is used at more than 39,000 sites worldwide. SAS' Public Sector clients include a number of states, among them Florida, Texas, California, New York and North Carolina, as well as many local governments.



World Headquarters  
and SAS Americas  
SAS Campus Drive  
Cary, NC 27513 USA  
Tel: (919) 677 8000  
Fax: (919) 677 4444  
U.S. & Canada sales:  
(800) 727 0025

SAS International  
PO Box 10 53 40  
Neuenheimer Landstr. 28-30  
D-69043 Heidelberg, Germany  
Tel: (49) 6221 4160  
Fax: (49) 6221 474850

[www.sas.com](http://www.sas.com)

