



Intelligent Transportation Systems Deployment Statistics Database

Center for Transportation Analysis
 (CTA) Research Areas

- Aviation Safety
- Air Traffic Management Analysis
- Data, Statistical Analysis
- Geo-Spatial Information Tools
- Defense Transportation
- Energy Policy Analysis
- Environmental Policy Analysis
- Highway Safety
- Intelligent Transportation Systems
- Logistics Management
- Supply Chain Management
- Modeling and Simulation
- Transportation Operations
- Planning and Systems Analysis
- Transportation Security

The Intelligent Transportation Systems (ITS) Deployment Tracking Project collects and disseminates information on the level of deployment and integration of ITS technology nationally. Information is gathered through a series of national surveys, covering metropolitan as well as rural deployment. Surveys were conducted in 1997, 1999, 2000, 2002, 2004, 2005, and 2006. This is a large data gathering effort. In the most recent survey, conducted in 2006, transportation agencies in 108 metropolitan areas involved with freeway, arterial, and transit management, public safety, and toll collection were surveyed, as well as state departments of transportation in each state. In total, over 2,100 agencies were involved.

ITS deployment in various metropolitan areas can lead to insights regarding future program changes, redefinition of goals, or maintenance of current program direction. In addition, through the ITS Deployment Tracking web site, the database supports other users:

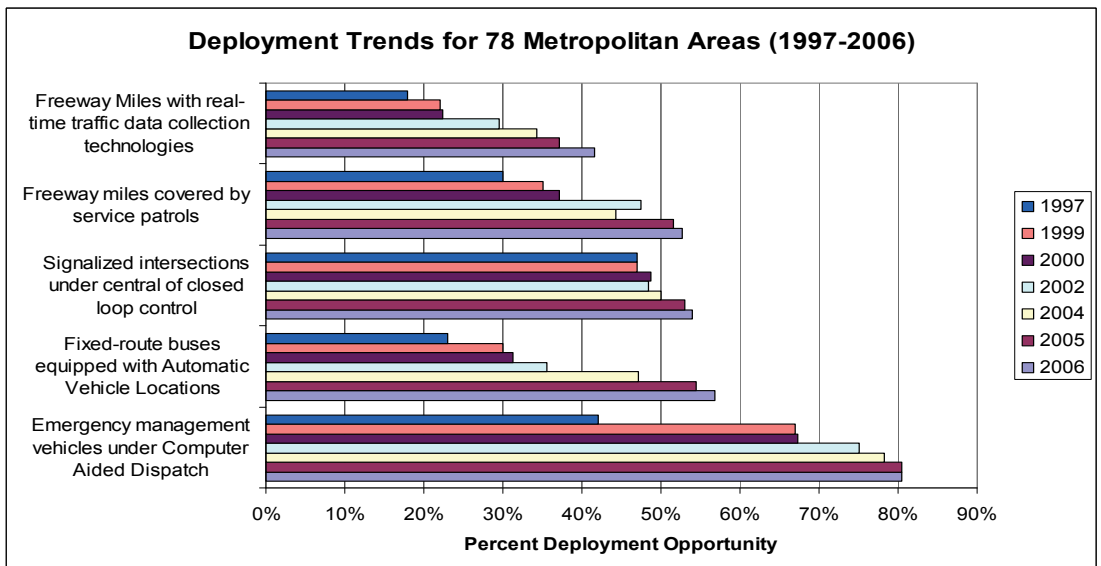
- Federal, state and local elected officials with authority to allocate funds to ITS deployments wanting to learn more about ITS;
- State and local transportation officials interested in learning more about how other agencies have deployed ITS to help in their own deployment planning;
- ITS vendors conducting market analyses;
- Researchers seeking empirical data on ITS deployment; and
- Members of the general public interested in learning more about ITS.

This information is used by US DOT in support of the national ITS program. Understanding the rate of

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Deployment Trends for 78 Metropolitan Areas (1997-2006)



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ITS Deployment Statistics Web Site

The ITS Deployment Statistics Web Site provides information on deployment of ITS technologies summarized nationally, by metropolitan area, or by individual agency. The site can be reached at:

<http://www.itsdeployment.its.dot.gov>.

The screenshot shows the homepage of the ITS Deployment Statistics Database. At the top, it features the ITS logo and the text 'Intelligent Transportation Systems' and 'U.S. Department of Transportation'. Below this, the words 'Safety', 'Mobility', and 'Productivity' are displayed. The main heading is 'Deployment Statistics'. A navigation bar includes links for 'ITS Joint Program Office', 'Applications Overview', 'Benefits Data', 'Costs Data', 'Deployment Statistics', and 'Lessons Learned'. On the left, there is a 'Keyword Search' box with a 'Go' button and a 'Select search method' dropdown menu set to 'Match any word'. A central banner reads 'Welcome to the ITS Deployment Statistics Database!' and provides the URL 'http://www.itsdeployment.its.dot.gov'. To the right, a box offers assistance: 'Need assistance? Call the ITS Help Line at 866-367-7487 or e-mail itshelp@volpe.dot.gov'. Below this, a yellow banner says 'Click on an icon or survey text link to go to the survey results:'. The main content area displays a grid of 12 icons representing different ITS application areas: Arterial Management, Freeway Management, Transit Management, Public Safety (Law Enforcement), Public Safety (Fire Rescue), Electronic Toll Collection, Metropolitan Planning Organization, Crash Prevention and Safety, Operations and Maintenance, Surface Transportation Weather, Traffic Management, and Traveler Information. A 'Did you know?' section at the bottom lists statistics: 'Over 54% percent of signalized intersections are under computer control... more>>', 'Over 38% percent of the freeways are instrumented... more>>', and '56% percent of the transit buses are equipped with AVL... more>>'. A left sidebar contains navigation links: Home, About This Site, FAQ, Survey Results, State of the Practice, Subjects A-Z, Summary Sheet, ITS In My State, National Trends, Compare Results, Download Documents, 1996-2002 Results, Help, and Contact Us.

The 2006 ITS Deployment Statistics website contains deployment data gathered from 2,200 transportation agencies in 108 metropolitan areas and each of the 50 states. Deployment information provided by the site covers 12 broad ITS application areas. Seven of these application areas are primarily metropolitan:

Arterial Management, Freeway Management, Transit Management, Public Safety (Law Enforcement and Fire/Rescue), Electronic Toll Collection, and Metropolitan Planning Organizations. The remaining five application areas are primarily statewide or rural in scope: Crash Prevention and Safety, Operations and Maintenance, Surface Transportation Weather, Traffic Management, and Traveler Information.

The website supports on-line searches for information as well as the capability to download a variety of reports and summaries covering metropolitan and statewide/rural deployment. The website features quick access to data broken out by three different views--national, metropolitan or individual agency. Users can employ a keyword search or select individual items from a survey outline to access information on individual technologies, application areas, or geographic areas. A variety of reports are available for download, including summaries for each survey type, individual metropolitan site reports, one-page fact sheets covering key deployment results for each

metropolitan area and state surveyed, and a national summary report for metropolitan and statewide deployment. The site also provides trend information from earlier surveys as well as access to results from previous surveys.

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