



# New Jersey Statewide Architecture Project

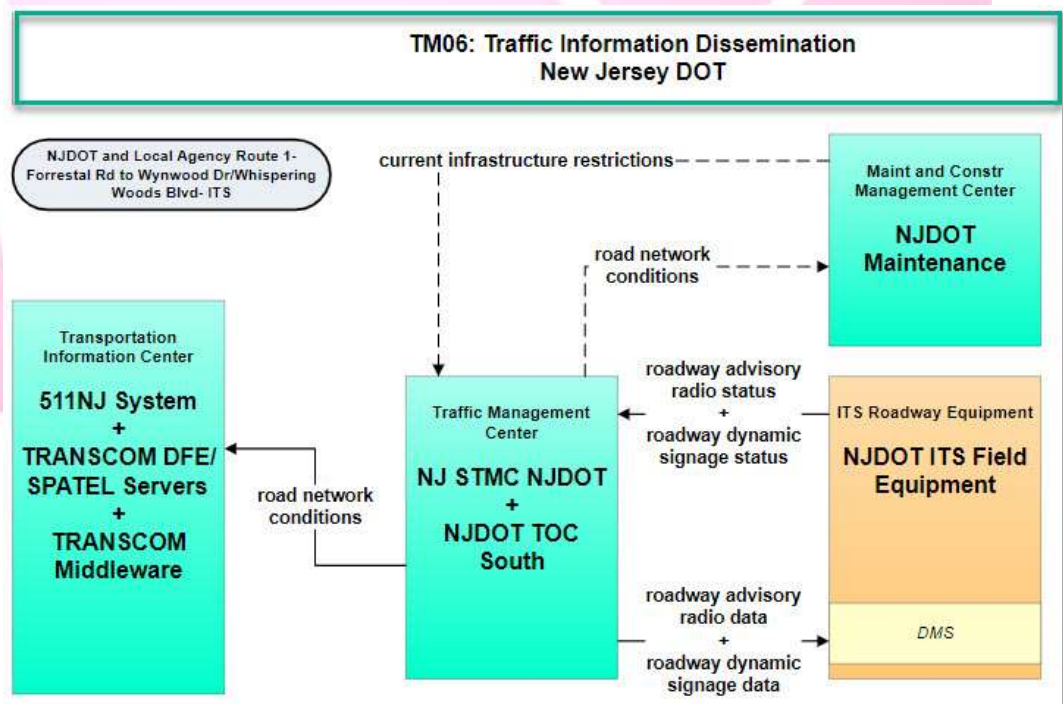
ConSysTec has developed and deployed over 75 ITS Architectures in the United States and around the world. These architectures range from cities, to regions, to statewide implementations.

Our specialty is working with public and private sector groups and organizations to develop interoperable and multimodal ITS architectures. Our experienced staff have facilitated ITS architectures that have delighted our many customers. Our work is based on the U.S. National ITS Reference Architecture and regional agency information is captured in the FHWA's RAD-IT development tool.

What is an ITS Architecture? An ITS Architecture is a specific, tailored framework for ensuring institutional agreement and technical integration for the implementation of ITS projects or groups of projects in a particular geographic area, a designated region, a mode, or an agency.

## New Jersey Statewide Architecture

Unlike other Intelligent Transportation Systems (ITS) architectures, New Jersey's Statewide Architecture was done in a cooperative, collaborative effort that supports the multimodal agencies that include but are not limited to, the New Jersey Department of Transportation, New Jersey Turnpike Authority, New Jersey Transit, DVRPC ITS Operating Group, the Port Authority of New York & New Jersey, NJ ITS Architecture Committee (IAC), and other relevant stakeholders within the State of New Jersey.



*New Jersey DOT Traffic Information Dissemination. Emergencies are managed with a separate system. (NJDOT Central Dispatch Unit (CDU)).*

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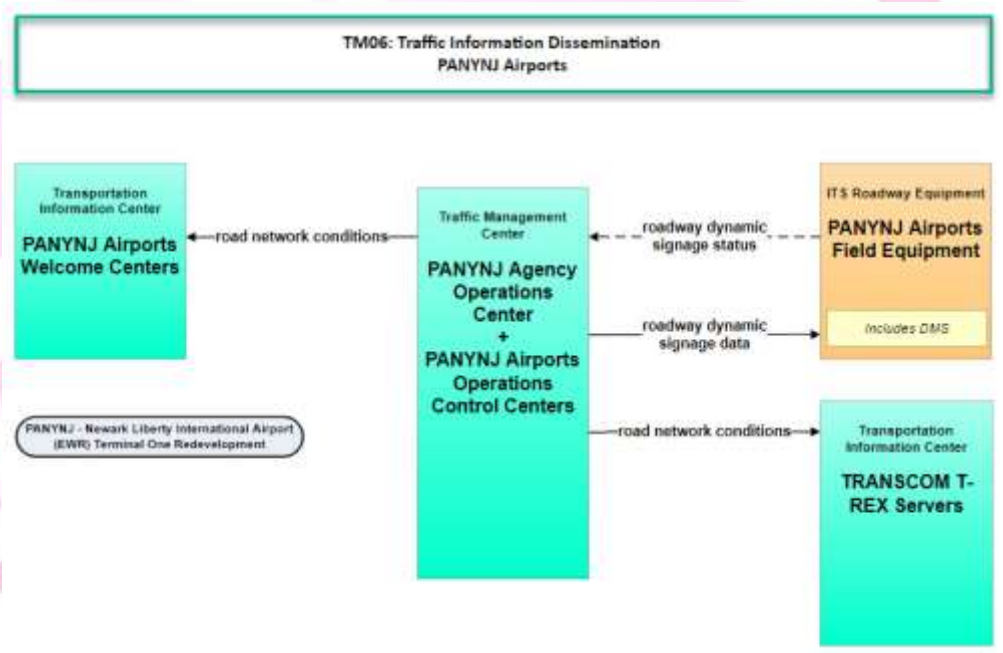
New Jersey's Statewide ITS Architecture has been developed to conform with FHWA 23 CFR 940/FTA Policy. This rule states that ITS projects must conform to the Regional/National ITS Architecture, use a systems engineering process, and use all the applicable standards.

The goal of New Jersey's Architecture is to develop, operate, maintain ITS systems within the State of New Jersey. The system elements of the ITS Architecture represent transportation management centers, field equipment (e.g., detectors, cctv cameras, dynamic message signs, and weather stations), vehicles with ITS equipment (e.g., buses, commuter trains, and snowplows), and traveler equipment (e.g., mobile devices) that satisfy transportation system stakeholder needs.

New Jersey's Statewide ITS architecture has a time horizon of up to ten years with a particular focus on those transportation elements likely to be implemented in the next five years.

One of the key outputs of the Architecture is a definition of all portions of the architecture that supports the systems engineering analysis required by 23 CFR 940 for the delivery of ITS for existing and planned multimodal ITS projects.

To ensure that all projects and connectivity are documented throughout the year, ConSysTec staff hold regular update meetings with the agencies to ensure that the most up-to-date information is documented and shared, across agencies, so that the Architecture document remains up to date and relevant.



*Traffic information dissemination for the Port Authority of NY/NJ Airports*

For more information about how ConSysTec can help your organization develop an ITS Architecture that will address your needs, visit [www.consystec.com](http://www.consystec.com) or scan the QR Code below.

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