



New Jersey ITS Architecture Project

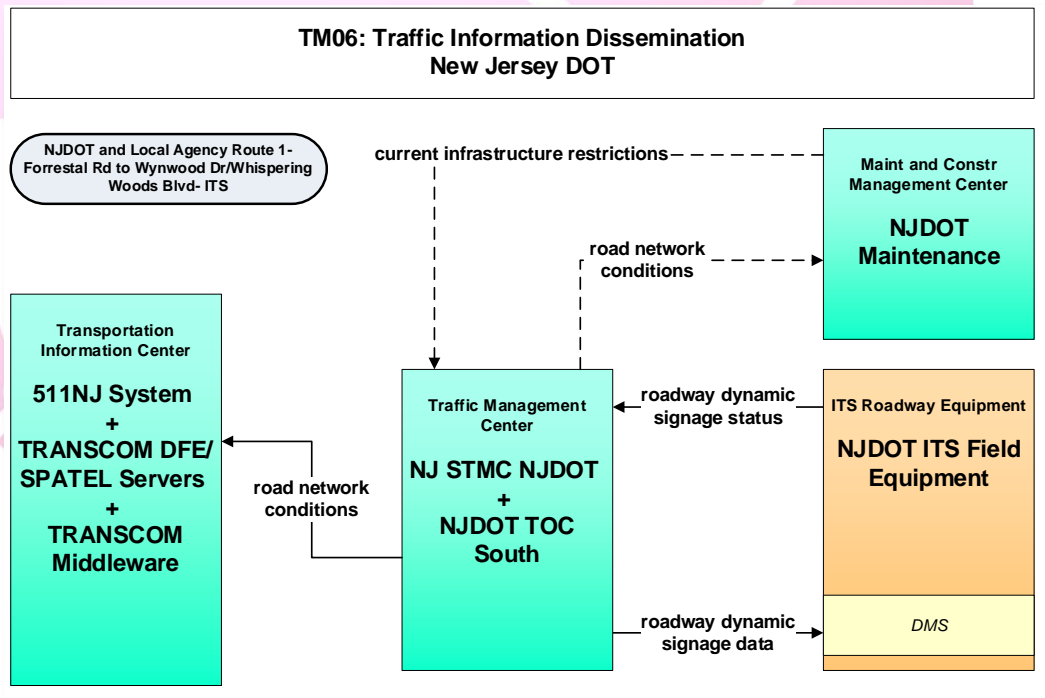
ConSysTec has developed and deployed over 90 Intelligent Transportation Systems (ITS) Architectures in the United States and around the world. These architectures range from cities, to regions, to statewide implementations, such as New Jersey's.

We have worked with public and private sector organizations to develop interoperable and multimodal ITS architectures to improve ITS project planning. Our work is based on the U.S. National ITS Reference Architecture and regional agency information that 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 ITS Architecture

New Jersey's ITS Architecture was developed 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), the three New Jersey Metropolitan Planning Organizations, and New Jersey County and Municipal stakeholders.



New Jersey DOT Traffic Information Dissemination 2021





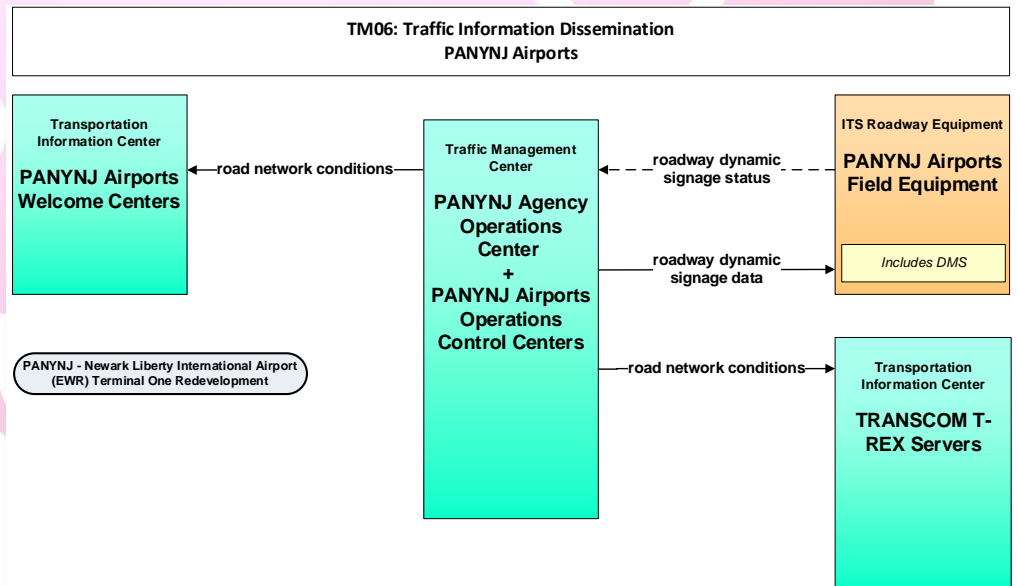
New Jersey’s ITS Architecture has been developed to conform with FHWA 23 CFR 940/FTA Policy. This rule states that ITS projects must conform to the Regional/National ITS Architecture, use a systems engineering process, and identify all applicable ITS standards.

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

The goal of New Jersey’s ITS Architecture is to support planning, development, operation, and maintenance of ITS systems within the State of New Jersey. The system elements of the ITS Architecture represent transportation management centers (e.g., New Jersey Statewide Transportation Management Center), field equipment (e.g., traffic sensors, 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 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.

To ensure that all projects and connectivity remain current, ConSysTec staff hold regular meetings with transportation stakeholders to ensure that the most up-to-date information is documented and shared across agencies.



Traffic information dissemination for the Port Authority of NY/NJ Airports 2021

For more information about how ConSysTec can help your organization develop an ITS Architecture that will address your needs, visit www.consystemec.com or scan the QR Code below.

