

CO and Associates



No Regional Architecture Elements Map To National ITS Architecture

National ITS Architecture Entity

Architectu

Entity

Regional Architecture Elements Map To National ITS Architecture

Remote Traveler Support Subsystem

*CDTA Transit Kiosks

*CDTA Transit Wayside Display

Personal Information Access Subsystem

Private Traveler Personal Computing Devices

Traveler Card

*CDTA Smart Card

*E-ZPass II Tag E-ZPass Tag

Emergency Vehicle Subsystem

CDTA Supervisors Vehicles

Local Public Safety Vehicles

MedFlight Helicopters

NYS Police Vehicles

NYSDOT HELP Truck

*NYSDOT HELP Truck - Thruway Patrol

Maint & Const Vehicle Subsystem

Local Maintenance and Construction Vehicles

Transit Vehicle Subsystem

CDTA Supervisors Vehicles

CDTA Transit Vehicles

Local Transit Vehicles

School Buses

Vehicle Subsystem

Private Vehicles

*Regional Cellular Telco Probe Service

Information Service Provider Subsystem

*Capital District ATIS Center

*CDTA Traveler Information Center Systems

CDTA Webpage

*NYSDOT Capital Region TMC Traveler

Information System

*Private Sector Traveler Information System

*Regional Cellular Telco Probe Service

*RPI Transmit System

TRANSCOM RA Servers

Toll Administration

NYSTA E-ZPass Customer Service Center

Maintenance & Construction Management

Local Dept of Public Works

NYSDOT Bridge Management System

NYSDOT Regional Operations and Maintenance

NYSTA Operations and Maintenance Dispatch

Traffic Management Subsystem

*CDTC Real-Time Travel Demand Model

City of Albany/City of Schenectady/Local TMC
NYS Canal Corporation Central Systems

NYSDOT Traffic Signal Control Servers
NYSDOT/ NYSP Capital Region TMC

NYSTA Thruway Statewide Operations Center (TSOC)
*Regional Response Plans Archive

*RPI Transmit System

TRANSCOM RA Servers
*TRANSMIT Agencies TRANSMIT Servers

Archived Data Management Subsystem

CDTA Transit Archive

*CDTC Planning Archive

City of Albany/City of Schenectady/Local TMC
Archive

NYS DMV Accident Reporting System
NYSDOT Region 1 TMC Archive

*NYSTA ATMS Archive

*NYSTA Traffic Count Systems

Emergency Management Subsystem Albany Medical Center

Capital State Police PSAP

Local Public Safety Dispatch

NYS Police Dispatch- COMSEC

NYS Police Information Network

NYS Police Troop T Dispatch

NYSDOT/ NYSP Capital Region TMC

Private Mayday Providers Vehicle Emergency Systems

Tow Dispatch

Transit Management Subsystem

CDTA Transit Dispatch

*CDTA Traveler Information Center Systems

Local Transit Operations Centers
*RPI Transmit System

School Bus Dispatch-Private

School Bus Dispatch-Public

Capital District, NY Regional ITS Architecture "Sausage Diagram"



Archived Data User Systems

*Archived Data User Information Systems

Asset Management

NYSDOT Bridge Management System

Care Facility

Albany Medical Center

Enforcement Agency

Local Public Safety Dispatch

Financial Institution

Financial Institutions

Equipment Repair Facility

Local DPW Repair Facility

Map Update Provider

Capital Region OFT MAGIS

Madia

Newspapers, Radio, Television Stations

Multimodal Crossings

NYS Canal Draw Bridges Field Equipment

Rail Operations

Passenger Train Terminals

Traveler Card

CDTA Smart Card

E-ZPass II Tag

E-ZPass Tag

*CDTA Parking Management System

Wayside Equipment

Capital Region Rail Operators Wayside Equipment

Weather Service

NYS Police Information Network

Satellite Weather Service
Web based Weather Services

Fravelers Traffic Emergency Toll Centers Remote Travele Vehicle Management Management Administration Support Information Maintenance & Personal **Transit** leet and Freigh **Archived Data** Service Construction Information Management Management Manage Provider Management Access Wide Area Wireless (Mobile) Communications **Wireline Communications** Vehicle Roadway Transit Vehicle Toll Short Commercial Vehicle Dedicated S Parking Emergency Management Vehicle Commercial **Vehicles** Maintenance & Roadside Construction Check Vehicle Roadway Subsystem Parking Management Subsystem City of Albany/City of Schenectady/Local Albany International Airport Parking Field Equipment Management System

NYSDOT Field Equipment

TRANSMIT Agencies TRANSMIT Field

NYSTA Field Equipment

RPI Transmit System

Equipment

* Elements are *planned*, not *existing* September 12, 2003