Northeastern Illinois Regional ITS Architecture "Sausage Diagram"

Chicago Metropolitan Agency for Planning

Archived Data User Systems
- Academic/Research Organizations Data Warehouse

Asset Management
- Regional Transit Asset Management System (RTAMS)

Basic Commercial Vehicle
- Commercial Vehicles

Basic Vehicle
- Vehicles

Care Facility
- Regional Hospitals

DMV
- Dept of Driver Services

Enforcement Agency
- Violation Enforcement Processing Center

Equipment Repair Facility
- IDOT District 1 Maintenance Yards

Event Promoters
- Chicago Bureau of Convention and Tourism Database
- Great Lakes Training Center
- Mayors Office of Special Events
- Regional Event Facilities

Media
- Media

Intermodal Freight Depot
- Intermodal Facilities
- OHare Air Cargo Terminal
- Port of Chicago Intermodal Facilities

Rail Operations
- AMTRAK Rail
- Metra Consolidated Control Facility
- Rail Freight Operations

Personal Information Access
- User Personal Computing Devices

Remote Traveler Support
- Chicago Transit Authority BusInfo Signs
- Chicago Transit Authority Active Transit Station Signs
- Chicago Transit Authority Farecard Machines
- Chicago Transit Authority Rapid Transit Station Turnstyles
- City of Chicago DOT Traveler Information Kiosks
- IDOT Metro Kiosks
- IDOT Rest Area Kiosks
- InfoTrans Signs
- ISTHA TIMS Kiosks
- Metra Public Address System
- Metra Suburban Passenger Information Display Signs
- Pace BusInfo Signs
- RTA Multimodal Information Kiosks

Multimodal Transportation Service Provider
- AMTRAK Rail
- Chicago Airports
- Neighboring Airports
- Water Taxi Service

Other Emergency Management
- Other County 911 Centers
- Other County EOCs
- Other County PSAPs

Toll Administration
- City of Chicago Skyway Operations
- ISTHA IPASS Business Center

Archived Data Management Subsystem
- Academic/Research Organizations Data Warehouse
- Arterial Performance Monitoring System
- Chicago Transit Authority Data Archive
- City of Chicago TMC
- CMAP Northeastern Illinois Regional Data Archive
- GCM Data Archive
- IDOT District 1 ComCenter
- Illinois GIS Transportation Coalition
- Illinois Local Accident Reporting System
- Illinois Transit Hub
- ISTHA TMC (TIMS)
- Northeastern Illinois Regional Data Archive
- Pace Data Archive
- Regional Transit Asset Management System (RTAMS)
- University of Illinois ICT Data Archive

Emissions Management
- Illinois Environmental Protection Agency (EPA)

Other Transit Management
- Kenosha Transit Dispatch
- Other Regional Paratransit Dispatch

Surface Transportation Weather Service
- Weather Services

Storage Facility
- IDOT District 1 Maintenance Yards

Traffic Management
- Arterial Performance Monitoring System
- Borman Traffic Management Center
- City of Chicago Incident Center (CIC)
- City of Chicago Skyway Operations
- City of Chicago TMC
- Cook County TMC
- DuPage County TMC
- Gateway Central
- Grundy County TMC
- IDOT Central Bureau of Operations Roadway and Weather Information Sys
- IDOT District 1 Bureau of Arterial Operations
- IDOT District 1 ComCenter
- IDOT District 1 Traffic Systems Center (TSC)
- Illinois Gateway
- Indiana DOT Arterial TMC
- Indiana Gateway
- Indiana Toll Road Operations Center
- ISTHA TMC (TIMS)
- Kane County TMC
- Kendall County TMC
- Lake County PASSAGE TMC
- McHenry County TMC
- Municipal TMCs
- Satellite TMC Midway Airport
- Satellite TMC OHare Airport
- South Suburban Airport TMC
- Will County TMC
- Wisconsin Gateway (MONITOR)
- WisDOT Statewide Traffic Operations Center

Information Service Provider
- Arterial Performance Monitoring System
- Chicago Transit Authority Bus Tracker Website
- City of Chicago DOT Transportation Website
- City of Chicago Joint Operation Center (JOC)
- City of Chicago OEMC Website
- City of Chicago TMC
- Gateway Central
- Gateway Website
- IDOT Central Bureau of Operations Roadway and Weather Information Sys
- IDOT District 1 ComCenter
- IDOT District 1 Traffic Systems Center (TSC)
- IDOT Email Notification System (ENS)
- IDOT Transportation Website
- Illinois 511 System
- Illinois DOT Info
- Illinois Gateway
- Illinois Transit Hub
- Illinois Transit Hub Website
- Indiana Gateway
- ISTHA TMC (TIMS)
- Lake County PASSAGE Website
- Metra Website
- Private ISPs - Travel Information Services
- Regional Ridesharing and Vanpooling
- Regional Transportation Authority Travel Information Center (TIC)
- Satellite TMC OHare Airport
- WebWatch Internet Site
- Wisconsin Gateway (MONITOR)

Maintenance and Construction Management
- City of Chicago DOT Roadway Maintenance
- City of Chicago DSS Bureau of Electricity Signal Maintenance
- City of Chicago DSS Bureau of Street Operations Dispatch
- City of Chicago DSS Bureau of Traffic Services Dispatch
- City of Chicago Incident Center (CIC)
- Cook County Highway Department Construction Bureau Operations
- Cook County Highway Department Maintenance Bureau Operations
- DuPage County Maintenance Operations
- Grundy County Maintenance Operations
- IDOT District 1 Bureau of Construction
- IDOT District 1 Bureau of Traffic - Expressway Operations Unit
- IDOT District 1 ComCenter
- IDOT District 1 Maintenance Management
- ISTHA Maintenance and Construction
- Kane County Construction Operations
- Kane County Maintenance Operations
- Kendall County Maintenance Operations
- Kenosha County Highway Maintenance Operations
- Lake County Highway Construction Operations
- Lake County Highway Maintenance Operations
- McHenry County Maintenance Operations
- Municipal/Township Maintenance Operations
- Private Sector Maintenance Contractor Operations
- Utility Company Operations
- Will County Maintenance Operation

Commercial Vehicle Administration
- IDOT CVO Permitting - Oversize/Overweight
- Illinois EOSS/ CVISN Web Site
- Illinois Single State Registration System

Fleet and Freight Management
- Hazmat Management and Cleanup
- Trucking Distribution Centers

Roadway Subsystem
- Chicago Transit Authority Rail Signalling Equipment
- City of Chicago Department of Aviation Field Equipment
- City of Chicago DOT Traveler Information Kiosks
- City of Chicago DSS Field Equipment
- City of Chicago OEMC Field Equipment
- City of Chicago Skyway Field Equipment
- Cook County Highway Department Field Equipment
- DuPage County EOC Field Equipment
- DuPage County Field Equipment
- Grundy County EOC Field Equipment
- Grundy County Field Equipment
- IDOT Central Bureau of Operations Field Equipment
- IDOT District 1 Bureau of Arterial Operations Field Equipment
- IDOT District 1 ComCenter Field Equipment
- IDOT District 1 Traffic Systems Center Field Equipment
- ISTHA I-Pass Toll Plazas
- ISTHA TMC Field Equipment
- Kane County EOC Field Equipment
- Kane County Field Equipment
- Kenall County EOC Field Equipment
- Kendall County Field Equipment
- Lake County EOC Field Equipment
- Lake County Field Equipment
- McHenry County EOC Field Equipment
- McHenry County Field Equipment
- Metra PMGS Signs
- Metra Track and Signalling Equipment
- Municipal/Township Field Equipment
- Red Light Running Cameras
- Will County EOC Field Equipment
- Will County Field Equipment

Emergency Management
- *999 Cellular Express Line
- Chicago Transit Authority Control Center
- City of Chicago 311 Center
- City of Chicago 911 CAD
- City of Chicago Incident Center (CIC)
- City of Chicago Joint Operation Center (JOC)
- City of Chicago OEMC Unified Command Vehicles
- City of Chicago Operations Center (OC)
- Coast Guard Dispatch
- Cook County EOC
- Cook County Sheriff Communications Center
- DuPage County EOC
- DuPage County Sheriff Communications Center
- Great Lakes Training Center
- Grundy County 911 Center
- Grundy County EOC
- IDOT District 1 ComCenter
- IDOT Emergency Traffic Patrol (ETP)
- Illinois State Police Dispatch (Districts 2, 5 and Chicago)
- Illinois State Police District 15 Operations Desk
- Indiana County/ Municipal Public Safety Dispatch
- Indiana State Police Dispatch
- ISTHA Computer Aided Dispatch Center
- Kane County 911 Center
- Kane County EOC
- Kendall County 911 Center
- Kendall County EOC
- Kenosha County Public Safety Dispatch
- Lake County Communications Center
- Lake County EOC
- McHenry County EOC
- McHenry County Sheriff Dispatch
- Metra Police
- Municipal EMCs
- Municipal Public Safety Dispatch
- Private Tow and Recovery Operations
- Statewide Emergency Operations Center
- Will County EOC
- Will County Sheriff Communications Center
- Wisconsin Municipal Public Safety
- Wisconsin State Patrol District 2 Dispatch

Transit Management
- Chicago Transit Authority ATSS System
- Chicago Transit Authority BusInfo System
- Chicago Transit Authority Control Center
- Chicago Transit Authority Garages
- Chicago Transit Authority Revenue Collection Center
- Illinois Transit Hub
- Independent School District Dispatch
- Metra Consolidated Control Facility
- Metra GPS Center (TIMS)
- Metra Maintenance Yards
- Metra Passenger Information Display System
- Municipal Transit Operations
- NICTD Dispatch
- Pace BusInfo System
- Pace Control Center (IBS)
- Pace Garages
- Private Bus Dispatch
- Private Taxi Dispatch
- Public/Non-Profit Paratransit Services
- Regional Paratransit Dispatch
- Regional Transportation Authority Travel Information Center (TIC)
- RTA Multimodal Trip Planner
- RTA Passenger Certification Database

Toll Collection
- City of Chicago Skyway Field Equipment
- City of Chicago Skyway Toll Plaza
- ISTHA I-Pass Toll Plazas

Emergency Vehicle Subsystem
- City of Chicago DSS Vehicles
- City of Chicago OEMC Unified Command Vehicles
- Cook County Sheriff Vehicles
- DuPage County Sheriff Vehicles
- Grundy County Sheriff Vehicles
- Highway Emergency Lane Patrol Vehicles
- IDOT Emergency Traffic Patrol Vehicles
- Illinois State Police Vehicles
- Kane County Sheriff Vehicles
- Kendall County Sheriff Vehicles
- Lake County Sheriff Vehicles
- McHenry County Sheriff Vehicles
- Municipal Public Safety Vehicles
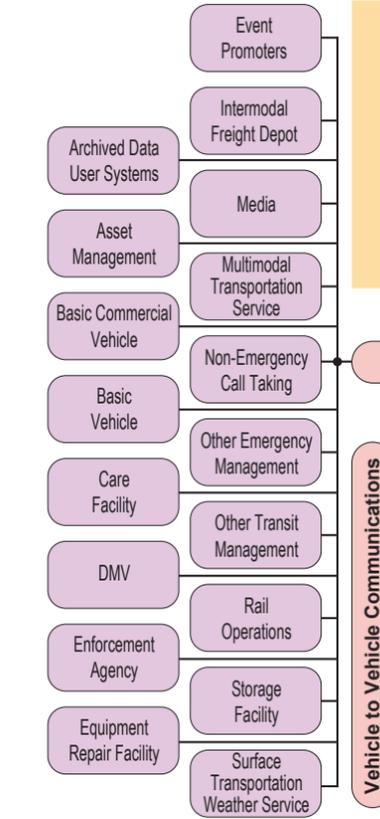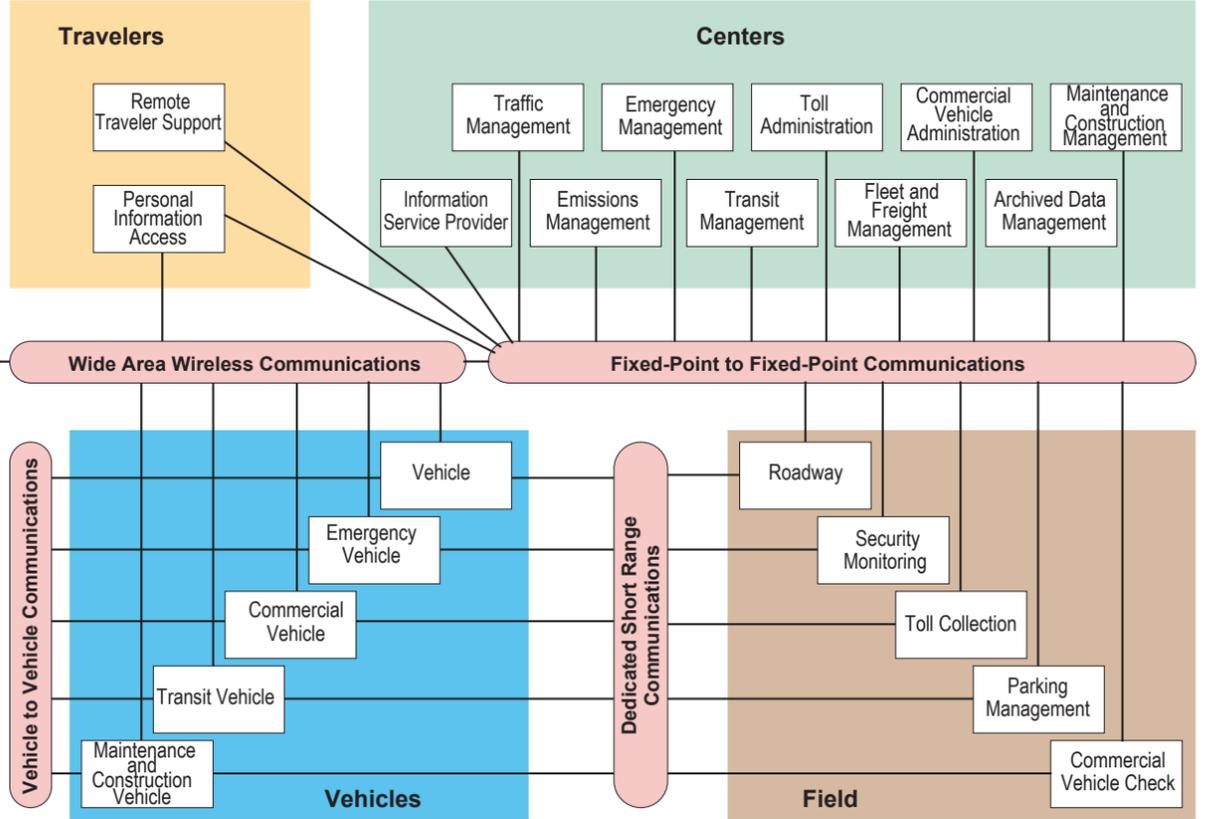- Will County Sheriff Vehicles

Maintenance and Construction Vehicle
- City of Chicago DOT Vehicles
- City of Chicago DSS Vehicles
- City of Chicago OMEC Maintenance Vehicles
- Cook County Maintenance Vehicles
- DuPage County Maintenance Vehicles
- Grundy County Maintenance Vehicles
- IDOT Maintenance Vehicles
- ISTHA Maintenance Vehicle
- Kane County Maintenance Vehicles
- Kendall County Maintenance Vehicles
- Kenosha County Maintenance Vehicles
- Lake County Maintenance Vehicles
- McHenry County Maintenance Vehicles
- Municipal/Townships Maintenance Vehicles
- Will County Maintenance Vehicles

Transit Vehicle Subsystem
- Chicago Transit Authority Bus Vehicles
- Chicago Transit Authority Rapid Transit Vehicles
- Metra Trains
- Pace Paratransit Vehicles
- Pace Transit Bus Vehicles

Vehicle
- Vehicles

Commercial Vehicle Subsystem
- Commercial Vehicles

Commercial Vehicle Check
- CVO Crash Reporting (MCSAP)
- CVO Inspection Reporting (ASPEN)
- IDOT CVO Inspection Facility
- IDOT Weigh Stations
- ISTHA Weigh in Motion
- Will County Weigh in Motion

Parking Management
- Chicago Airport Parking Systems
- Chicago Park District Parking Management System
- Chicago Transit Authority Parking Management Guidance System
- Metra Parking Management Guidance System
- MPEA Parking Management
- Municipal Parking Management Guidance System
- Private Parking Lots
- Satellite TMC OHare Airport

Security Monitoring Subsystem
- Chicago Transit Authority Security Equipment
- City of Chicago OEMC Security Monitoring Equipment
- DuPage County EOC Field Equipment
- IDOT Bureau of Bridges and Structures Field Equipment
- Metra Security Equipment
- Pace Security Equipment

Travelers · **Centers** · **Vehicles** · **Field**

Wide Area Wireless Communications · Fixed-Point to Fixed-Point Communications

Vehicle to Vehicle Communications · Dedicated Short Range Communications