

# Northeastern Illinois Regional ITS Architecture "Sausage Diagram"

<b>Archived Data User Systems</b>
Academic/Research Organizations Data Warehouse
<b>Asset Management</b>
Regional Transit Asset Management System (RTAMS)
<b>Basic Commercial Vehicle</b>
Commercial Vehicles
<b>Basic Vehicle</b>
Vehicles
<b>Care Facility</b>
Regional Hospitals
<b>DMV</b>
Dept of Driver Services
<b>Enforcement Agency</b>
Violation Enforcement Processing Center
<b>Equipment Repair Facility</b>
IDOT District 1 Maintenance Yards
<b>Event Promoters</b>
Chicago Bureau of Convention and Tourism Database
Great Lakes Training Center
Mayors Office of Special Events
Regional Event Facilities
<b>Media</b>
Media
<b>Intermodal Freight Depot</b>
Intermodal Facilities
O'Hare Air Cargo Terminal
Port of Chicago Intermodal Facilities

<b>Rail Operations</b>
AMTRAK Rail
Metra Consolidated Control Facility
Rail Freight Operations

<b>Emergency Vehicle Subsystem</b>
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

<b>Maintenance and Construction Vehicle</b>
City of Chicago DOT Vehicles
City of Chicago DSS Vehicles
City of Chicago OEMC 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

<b>Personal Information Access</b>
User Personal Computing Devices

<b>Remote Traveler Support</b>
Chicago Transit Authority BusInfo Signs
Chicago Transit Authority Active Transit Station Signs

Chicago Transit Authority Farecard Machines
Chicago Transit Authority Rapid Transit Station Turnstiles

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
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<b>Multimodal Transportation Service Provider</b>
AMTRAK Rail
Chicago Airports

Neighboring Airports
Water Taxi Service

<b>Other Emergency Management</b>
Other County 911 Centers
Other County EOCs
Other County PSAPs

<b>Toll Administration</b>
City of Chicago Skyway Operations
ISTHA IPASS Business Center

<b>Archived Data Management Subsystem</b>
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
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<b>Emissions Management</b>
Illinois Environmental Protection Agency (EPA)

<b>Other Transit Management</b>
Kenosha Transit Dispatch
Other Regional Paratransit Dispatch

<b>Surface Transportation Weather Service</b>
Weather Services

<b>Storage Facility</b>
IDOT District 1 Maintenance Yards

<b>Traffic Management</b>
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 O'Hare Airport
South Suburban Airport TMC

Will County TMC
Wisconsin Gateway (MONITOR)

Wisconsin Gateway (MONITOR)
Wisconsin Gateway (MONITOR)

<b>Information Service Provider</b>
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 O'Hare Airport

WebWatch Internet Site
Wisconsin Gateway (MONITOR)

<b>Maintenance and Construction Management</b>
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
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<b>Commercial Vehicle Administration</b>
IDOT CVO Permitting - Oversize/Overweight
Illinois EOSS/ CVISN Web Site
Illinois Single State Registration System

<b>Fleet and Freight Management</b>
Hazmat Management and Cleanup
Trucking Distribution Centers

<b>Roadway Subsystem</b>
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
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<b>Emergency Management</b>
*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
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

<b>Transit Management</b>
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

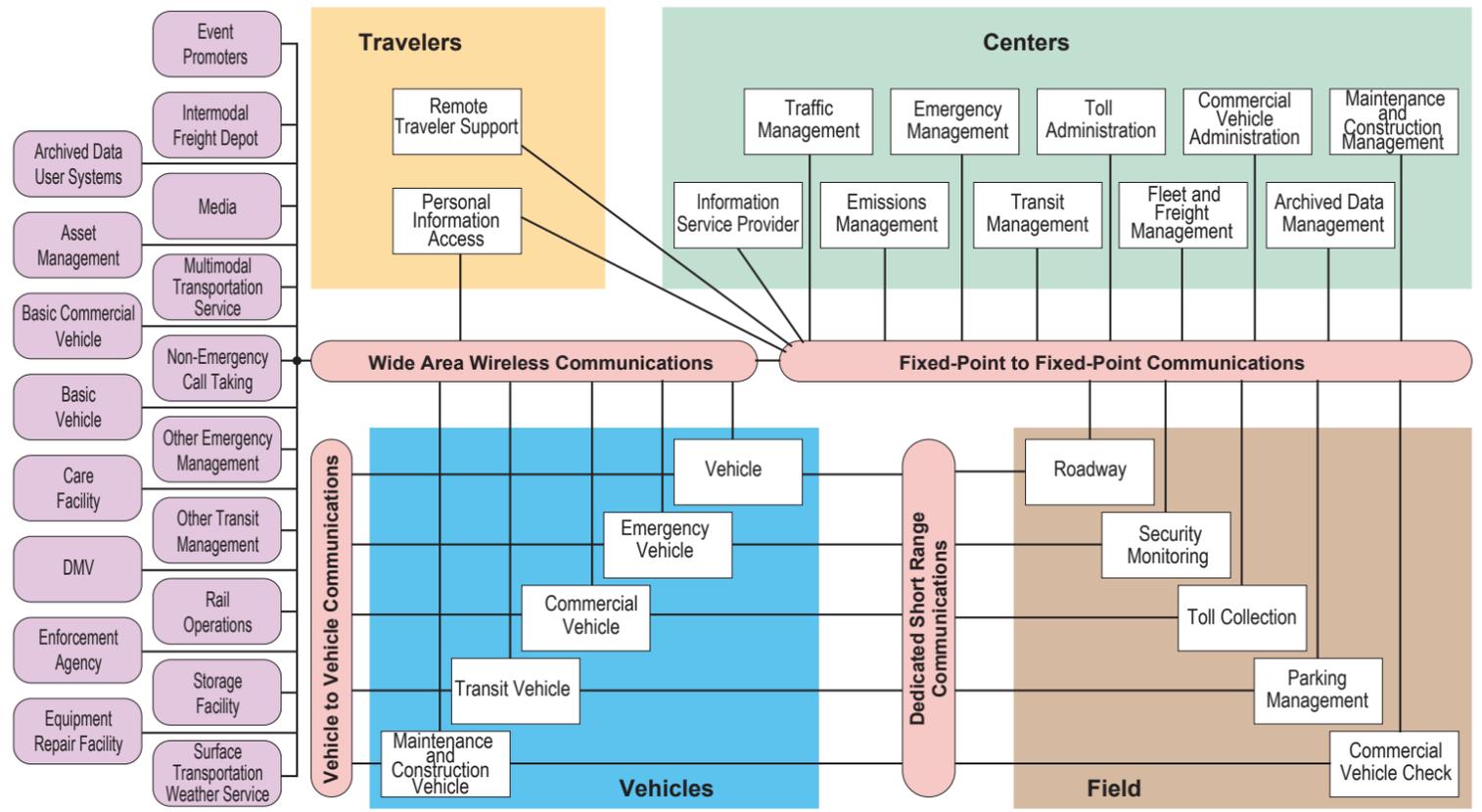
Metra Passenger Information Display System
Municipal Transit Operations

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



<b>Transit Vehicle Subsystem</b>
Chicago Transit Authority Bus Vehicles
Chicago Transit Authority Rapid Transit Vehicles
Metra Trains
Pace Paratransit Vehicles
Pace Transit Bus Vehicles

<b>Vehicle</b>
Vehicles

<b>Commercial Vehicle Subsystem</b>
Commercial Vehicles

<b>Commercial Vehicle Check</b>
CVO Crash Reporting (MCSAP)
CVO Inspection Reporting (ASPEN)

IDOT CVO Inspection Facility
IDOT Weigh Stations

ISTHA Weigh in Motion
Will County Weigh in Motion

<b>Parking Management</b>
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 O'Hare Airport

<b>Security Monitoring Subsystem</b>
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
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<b>Toll Collection</b>
City of Chicago Skyway Field Equipment
City of Chicago Skyway Toll Plaza
ISTHA I-Pass Toll Plazas