Architecture Summary

10/29/2008 1:12:19PM

Architecture Name	Architecture Description	Status

NE Illinois Regional ITS Architecture (Region)

Description: The Northeastern Illinois Regional ITS Architecture is a roadmap for transportation systems integration in the NE Illinois region over the next 15 years.
Timeframe:
Geographic Scope: Seven-county area (Cook, DuPage, Kane, Kendall, Lake, McHenry, Will) plus the Aux Sable Township in Grundy County
Service Scope:
Developer:
Maintainer: CMAP
Version: 2.0
Revision Date:

ID 2 Chicago Traffic Management Center (TMC) (Project) Planned

Description: The Chicago TMC is one of the largest and most significant ITS projects being undertaken by CDOT (jointly with City of Chicago Office of Emergency Management and Communications).
CDOT currently has an operational "mini-TMC" with the Traffic Control room at 30 N. LaSalle. It will be expanded in 2005 and will serve as the TMC until the permanent location is established.
Timeframe: Phase II - 2005
Geographic Scope:
Service Scope: Covers traffic management, traveler information, emergency/incident management.
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: City of Chicago 911 CAD
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago Joint Operation Center (JOC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago Operations Center (OC)
Associated Element: City of Chicago TMC

ID 4 Cicero Ave Smart Corridor ATMS (Project) Planned

Description: This project has been underway for some time with currently deployed systems including 19 signals, 7 CCTVs, 2 DMSs and system detectors. It also includes the development of a Midway Airport Satellite Traffic Management Center. Future enhancements relate to traffic adaptive control on the signals and possibly other roadside device enhancements.
Timeframe: Phase II - Mid
Geographic Scope: Corridor signals from I-55 to Marquette to be interconnected with a fiber backbone. Includes 7 CCTVs, 2 DMSs and system detectors. Ph I uses traffic responsive control. Links to Pulaski & Central Smart Corridors and Cicero ATIS.
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: City of Chicago 911 CAD
Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance
Associated Element: City of Chicago Incident Center (CIC)

Architecture Name	Architecture Description	Status

Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago TMC
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: Illinois Gateway
Associated Element: RTA Multimodal Information Kiosks
Associated Element: Satellite TMC Midway Airport

ID 5 Cicero Ave Smart Corridor ATIS (Project) Planned

Description: This project provides upgrades to several traveler information systems along the smart corridor. Specifically the project will develop HAR upgrades to provide information on closures of highway rail intersections, Enhanced Traveler Information Kiosks, and Dynamic Message Signs.
Timeframe: Mid
Geographic Scope:
Service Scope: HAR upgrade/RR notification, enhanced traveler information kiosks, Dynamic Message Signs, a combination of 4 projects.
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: City of Chicago DOT Traveler Information Kiosks
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago TMC

ID 6 CDOT Smart Corridors: Pulaski Road (Project) Planned

Description: This project involves multiple "smart corridors" which utilize arterial traffic management with fiber-interconnected signals, CCTVs vehicle detector stations and/or VMS. These smart corridors are selected based upon a priority model developed by CDOT. The exact capabilities implemented may vary by location, which will mean that some subset of the elements and interfaces will actually be implemented.
Timeframe: Short
Geographic Scope: Pulaski Road, Western Ave., Archer/55th, Central Ave., Ashland, Michigan/Indiana, 87th St., 95th St., Sheridan/Broadway, Congress Parkway, Cicero (I-290 to Peterson)
Service Scope: Arterial traffic management utilizing fiberinterconnected signals, CCTVs vehicle detector stations and/or VMS. Future consideration for RWIS and environmental sensors.
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: City of Chicago 911 CAD
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago TMC
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations

ID 9 CDOT Red-light Camera Enforcement Program (Project) Existing

Description: Approximately 5 percent (100-200) of traffic signals will be monitored by redlight running cameras with automated process to ticket violators.
Timeframe: Short
Geographic Scope:
Service Scope:

Architecture Name	Architecture Description	Status

Developer: MG
Maintainer:
Version:
Revision Date: 2-May-2007

Associated Element: Dept of Driver Services
Associated Element: Red Light Running Cameras

ID 11 City of Chicago Interconnects (Project) Existing

Description: This project provides coordination of signals on city of Chicago arterials. The project may include signal timing across municipal and county boundaries.
Timeframe: Short
Geographic Scope: May expand regional communications network.
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago TMC
Associated Element: Cook County TMC
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: Municipal TMCs

ID 13 Chicago Skyway Travel Monitoring and Integration with IDOT Gateway (Project) Planned

Description: This project provides network surveillance on the Chicago Skyway by placing RTMS devices at 1/2 mile intervals along the Skyway. The information would be used to generate real-time travel time data that would be sent to the Chicago TMC and integrated in the IDOT/GCM regional expressway/tollway travel time maps. While this project is currently listed in the CDOT section, the Skyway has been leased by Chicago to a private consortium who began operating it in 2005.
Timeframe: Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: City of Chicago DOT Transportation Website
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago Skyway Field Equipment
Associated Element: City of Chicago Skyway Operations
Associated Element: City of Chicago TMC
Associated Element: Gateway Central
Associated Element: Gateway Website
Associated Element: Illinois Gateway

ID 15 Chicago Truck Route Advisory System (Project) Planned

Description: This project will provide an interactive web page in which truckers would enter an origin and destination plus characteristics of their truck (height, weight, length), and the web site would provide them with information regarding viaduct clearances, construction, truck route restrictions, weight limits and special permits where needed (e.g., Lake Shore Dr.). Eventually, more dynamic aspects such as street closures and special events would be added.

Architecture Name	Architecture Description	Status

Timeframe: Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: City of Chicago DOT Transportation Website
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago TMC
Associated Element: Mayors Office of Special Events
Associated Element: User Personal Computing Devices

ID 18 Parking Information Projects (Project) Planned

Description: This project will provide real-time parking and traveler information for Navy-pier and Grant Park/ Millennium Park.
Timeframe: Mid
Geographic Scope: Around Navy Pier and Grant Park/Millenium Park
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: Chicago Park District Parking Management System
Associated Element: City of Chicago DOT Transportation Website
Associated Element: Illinois Gateway
Associated Element: Illinois Transit Hub
Associated Element: MPEA Parking Management
Associated Element: Private ISPs - Travel Information Services

ID 19 Cook County Traffic Management Center (Project) Planned

Description: This project would develop a Cook County TMC capability. The center may be located in Schaumburg, initially covering northern Cook County. Alternatively the center capability could be collocated with CDOT or IDOT TMC rather than a stand alone facility.
Timeframe: Long
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 24-Apr-2007

Associated Element: Cook County Highway Department Field Equipment
Associated Element: Cook County TMC

ID 25 DuPage Emergency Management and Signal Preemption (Project) Planned

Description: This project will plan, implement, operate, maintain and monitor coordinated signal preemption system across county for state, county and municipal systems. It may consider an interface with Glendale Heights EOC.
Timeframe: Mid
Geographic Scope:
Service Scope:

Architecture Name	Architecture Description	Status

Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: DuPage County Field Equipment
Associated Element: DuPage County TMC
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations Field Equipment
Associated Element: Municipal Public Safety Vehicles
Associated Element: Municipal TMCs
Associated Element: Municipal/Township Field Equipment

ID 26 DuPage County Paratransit Coordination (Project) Planned

Description: This project will look at implementing centralized coordination of local paratransit services as well as provide coordination with public safety and other transit organizations.
Timeframe: Short
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: DuPage County Sheriff Communications Center
Associated Element: Metra Consolidated Control Facility
Associated Element: Municipal Public Safety Dispatch
Associated Element: Pace Control Center (IBS)
Associated Element: Regional Paratransit Dispatch

ID 28 Kane County Traffic Management Center (Project) Planned

Description: This project will implement basic traffic management capabilities for Kane County.
Timeframe: Short-Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: Kane County 911 Center
Associated Element: Kane County Field Equipment
Associated Element: Kane County Maintenance Operations
Associated Element: Kane County TMC

ID 31 Lake County PASSAGE (Project) Planned

Description: This project will continue the system implementation of the Lake County TMC. The initial phase will be 140+ signals. Two more phases are planned with automated diversion routes, a link to County Sheriff CAD, a link to the Gateway, and links to municipal TMCs, municipal public safety and County EOC.
Timeframe: Short-Mid
Geographic Scope:
Service Scope:

Architecture Name	Architecture Description	Status

Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: ISTHA TMC (TIMS)
Associated Element: Lake County Communications Center
Associated Element: Lake County EOC
Associated Element: Lake County Field Equipment
Associated Element: Lake County Highway Maintenance Operations
Associated Element: Lake County PASSAGE TMC
Associated Element: Lake County PASSAGE Website
Associated Element: Municipal Public Safety Dispatch

ID 37 Will County Traffic Management Center (Project) Planned

Description: This project involves the development of traffic management capabilities for the Will County. One consideration for this TMC is the collocation traffic management and emergency operations centers.
Timeframe: Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: Will County Field Equipment
Associated Element: Will County TMC

ID 41 Integration of Centers (Project) Planned

Description: This project will connect regional police districts (Il State Police and Chicago) to Gateway Traveler Information System in order to share incident and other information.
Timeframe: Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: City of Chicago 911 CAD
Associated Element: Illinois Gateway
Associated Element: Illinois State Police Dispatch (Districts 2, 5 and Chicago)
Associated Element: Illinois State Police District 15 Operations Desk

ID 42 Interagency Operations and Signal Coordination (Project) Planned

Description: This project will consider the coordination of signals on Strategic Regional Arterials throughout NE Illinois. This includes coordination from IDOT District 1 Bureau of Traffic Signal Unit to other traffic management elements in the architecture.
Timeframe: Mid-Long
Geographic Scope: Includes signal timing across municipal and county boundaries. Also includes coordination among counties and municipalities
without IDOT.
Service Scope: May expand regional communications network, and may
involve IDOT coordination with local TMCs

Architecture Name	Architecture Description	Status

Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago TMC
Associated Element: Cook County TMC
Associated Element: DuPage County TMC
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: Indiana DOT Arterial TMC
Associated Element: Kane County TMC
Associated Element: Lake County PASSAGE TMC
Associated Element: McHenry County TMC
Associated Element: Municipal TMCs
Associated Element: Will County TMC

ID 46 Surveillance of Critical Bridge Infrastructure (Project) Planned

Description: Installation of lighting, fencing and CCTV on 16 bridges in northeast Illinois.
Timeframe: Short
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 2-May-2007

Associated Element: IDOT Bureau of Bridges and Structures Field Equipment
Associated Element: IDOT District 1 Maintenance Management

ID 48 CCTV Surveillance Sharing (Project) Planned

Description: This project considers sharing of video information among traffic management elements in the region. Several ways of implementing this capability are being considered. These include use of the internet with password protected access to images and control of the cameras. The agencies involved could include both public and private agencies through some sort of partnership.
Timeframe: Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: IDOT District 1 ComCenter
Associated Element: IDOT District 1 Traffic Systems Center (TSC)

ID 49 IDOT CCTV Systems, Expressway (Project) Planned

Description: This project involves augmenting the CCTV systems IDOT has deployed along the expressways.
Timeframe: Long
Geographic Scope:
Service Scope:

Architecture Name	Architecture Description	Status

Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: IDOT District 1 ComCenter
Associated Element: IDOT District 1 ComCenter Field Equipment
Associated Element: IDOT District 1 Traffic Systems Center (TSC)
Associated Element: IDOT District 1 Traffic Systems Center Field Equipment

ID 50 Integrated Expressway/Arterial Corridors (Project) Planned

Description: This project considers coordination between expressway and arterial systems. Plans for a Pilot Project would involve a tie-in of Eisenhower Expressway to Chicago DOT signals by having ramp queue detectors, both for on-ramps and off-ramps. Ramp terminal signal control would then be modified to either hold entry to I-290 (on-ramp congestion) or clear the off-ramp (spillback onto I-290). The implementation might link CDOT signals with IDOT Traffic Systems Center, or whether have local links to ramp meters only.
Timeframe: Mid
Geographic Scope: Pilot project on I-290/Eisenhower Expressway:
Service Scope: Expressway management integrated with ramp terminal signal management, and possibly (often parallel) arterial incident management.
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: Arterial Performance Monitoring System
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago TMC
Associated Element: IDOT District 1 Traffic Systems Center (TSC)
Associated Element: IDOT District 1 Traffic Systems Center Field Equipment
Associated Element: Illinois Gateway

ID 53 Regionwide Emergency Traffic Operations Systems (ETOS) Upgrade (Project) Planned

Description: The project will be the follow-on to a pilot project that involved 6 ETP equipped vehicles (5 maintenance vehicles & 1 command vehicle) which has been recently completed. Purpose of the initial project was to get incident info to the Gateway. The follow-on project will likely involve both AVL and simplified MDT (keypad) to input basic incident info at the vehicle and send it to the Com Center and ETP dispatch on the private radio network.
Timeframe: Short
Geographic Scope:
Service Scope: Advanced Traveler Information System
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: IDOT District 1 ComCenter
Associated Element: IDOT Emergency Traffic Patrol (ETP)
Associated Element: IDOT Emergency Traffic Patrol Vehicles

ID 56 Statewide 511 Service (Project) Planned

Description: This project provides implementation of a statewide integrated traveler information system using a common three digit number 511. The project would include RTA and Gateway links.

Architecture Name	Architecture Description	Status

Timeframe: Short
Geographic Scope:
Service Scope: Advanced Traveler Information System
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: Gateway Central
Associated Element: Illinois 511 System
Associated Element: Illinois Gateway
Associated Element: Illinois Transit Hub

ID 59 Accident Database and Reporting System (Project) Planned

Description: This project involves development of an accident or crash database for use by law enforcement and other incident response agencies to aid in incident response.
Timeframe: Mid
Geographic Scope:
Service Scope: Emergency Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: Illinois Local Accident Reporting System

ID 60 ITS Applications for WorkZones (Project) Planned

Description: This project is an IDOT initiative for deploying various technologies like CCTVs, DMS etc. in workzone areas to improve traveler conditions , worker safety etc.
Timeframe: Mid
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 4-May-2007

Associated Element: IDOT District 1 Bureau of Construction
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations Field Equipment
Associated Element: IDOT District 1 Bureau of Traffic - Expressway Operations Unit
Associated Element: IDOT District 1 ComCenter Field Equipment
Associated Element: IDOT District 1 Maintenance Management
Associated Element: IDOT District 1 Traffic Systems Center Field Equipment
Associated Element: IDOT Maintenance Vehicles

ID 62 Mobile Technologies to Measure Travel Times Using Probe Vehicles (Project) Planned

Description: Combined initiative of IDOT, City of Chicago, ISTHA and RTA. Would involve using cell phone GPS technologies to measure real-time travel conditions on roadway network
Timeframe:
Geographic Scope:
Service Scope:
Developer:
Maintainer:
Version:
Revision Date: 4-May-2007

Architecture Name	Architecture Description	Status

ID 64 Railroad Grade Crossing Delay - Traveler Information System (Project) Planned

Description: This project would develop a Traveler Information System to provide travelers with information regarding delays due to trains.
Timeframe: Short
Geographic Scope:
Service Scope: Advanced Traveler Information System
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago TMC
Associated Element: Gateway Central
Associated Element: Gateway Website
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: Illinois Gateway
Associated Element: Illinois Transit Hub
Associated Element: Lake County PASSAGE TMC
Associated Element: Rail Freight Operations

ID 66 Traveler Information Archive (Project) Planned

Description: This project will develop an electronic archive for the travel information collected by GCM corridor.
Timeframe: Mid
Geographic Scope:
Service Scope: Data Management
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: Gateway Central
Associated Element: GCM Data Archive

ID 69 ISTHA TIMS Enhancement (Project) Planned

Description: This project will expand the software capabilities of the TIMS, including enhanced connectivity to the Gateway and other centers in the region.
Timeframe: Short
Geographic Scope:
Service Scope: Maintenance and Construction Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: ISTHA Maintenance and Construction
Associated Element: ISTHA TMC (TIMS)

ID 72 ISTHA Systemwide Open Road Tolling (ORT) (Project) Planned

Description: This project covers upgrades to the Tollway Toll Plazas for capabilities such as mixed use truck/car lane enhancements at all toll booths and use of "open-road" tolling (no stopping required).
Timeframe: Short
Geographic Scope:

Architecture Name	Architecture Description	Status

Service Scope: Traffic Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: ISTHA IPASS Business Center
Associated Element: ISTHA I-Pass Toll Plazas
Associated Element: ISTHA TMC (TIMS)

ID 75 Transit Hub:APTS (Project) Planned

Description: This project involves design and development of the Illinois Transit Hub to better manage transit operations. This project heading is used to cover three separate efforts:
-Deployment of the Illinois Transit Hub itself
-Transfer Connection Protection-- This effort involves real-time monitoring of CTA, PACE, and Metra operations to protect against missed transfers.
-Regionwide Automatic Fare Collection System—This effort involves planning, design, and deployment of a regional transit fare collection system.

The latter two efforts represent uses of the Transit Hub to share information between transit centers in the region.

Timeframe:
Geographic Scope:
Service Scope:
Developer: MG
Maintainer:
Version:
Revision Date: 26-Apr-2007

Associated Element: Chicago Airports
Associated Element: Chicago Transit Authority BusInfo Signs
Associated Element: Chicago Transit Authority Active Transit Station Signs
Associated Element: Chicago Transit Authority ATSS System
Associated Element: Chicago Transit Authority BusInfo System
Associated Element: Chicago Transit Authority Control Center
Associated Element: Chicago Transit Authority Parking Management Guidance System
Associated Element: Illinois 511 System
Associated Element: Illinois Gateway
Associated Element: Independent School District Dispatch
Associated Element: InfoTrans Signs
Associated Element: Media
Associated Element: Metra Consolidated Control Facility
Associated Element: Metra GPS Center (TIMS)
Associated Element: Metra Parking Management Guidance System
Associated Element: Metra Passenger Information Display System
Associated Element: Metra Public Address System
Associated Element: Metra Suburban Passenger Information Display Signs
Associated Element: Municipal Parking Management Guidance System
Associated Element: Municipal Transit Operations
Associated Element: Pace BusInfo Signs
Associated Element: Pace BusInfo System
Associated Element: Pace Control Center (IBS)
Associated Element: Private Bus Dispatch
Associated Element: Private ISPs - Travel Information Services
Associated Element: Private Taxi Dispatch

Architecture Name	Architecture Description	Status

Associated Element: Public/Non-Profit Paratransit Services
Associated Element: Regional Paratransit Dispatch
Associated Element: Regional Ridesharing and Vanpooling
Associated Element: Regional Transportation Authority Travel Information Center (TIC)
Associated Element: RTA Multimodal Information Kiosks
Associated Element: RTA Multimodal Trip Planner
Associated Element: User Personal Computing Devices

ID 77 Illinois Transit Hub (Project) Existing

Description: This project entry covers the transit traveler information aspects of the Transit Hub. The project covers dissemination of transit information to Gateway and service boards. Includes development of a Illinois Transit Hub website, and an interface to the RTA Travel Information Center.
Timeframe:
Geographic Scope:
Service Scope: Data Management and Transit Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 26-Apr-2007

Associated Element: Chicago Transit Authority Control Center
Associated Element: Illinois Gateway
Associated Element: Illinois Transit Hub
Associated Element: Illinois Transit Hub Website
Associated Element: Metra Consolidated Control Facility
Associated Element: Metra GPS Center (TIMS)
Associated Element: Pace Control Center (IBS)
Associated Element: Regional Transportation Authority Travel Information Center (TIC)

ID 80 Automatic Train Supervision (ATS) System (Project) Planned

Description: This project provides an updated CTA train tracking system made up of a) full communication of signal indications to CTA control center, b) Centralized Traffic Control (CTC) and c) new software in CTA control enter.
Timeframe: Short-Mid
Geographic Scope:
Service Scope: Transit Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: Chicago Transit Authority Control Center
Associated Element: Chicago Transit Authority Rail Signaling Equipment
Associated Element: Chicago Transit Authority Rapid Transit Vehicles

ID 81 Train Passenger Information System (Project) Planned

Description: This project provides LED display of train arrivals at all stations on a countdown clock.
Timeframe: Long
Geographic Scope:
Service Scope: Transit Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Architecture Name	Architecture Description	Status

Associated Element: Chicago Transit Authority Control Center

ID 94 Pace Intelligent Bus System (Project) Planned

Description: This project is the continuation of an on-going effort to deploy an integrated bus management system incorporating automatic vehicle location and fleet management technologies.
Timeframe: Short-Mid
Geographic Scope:
Service Scope: Transit Mngmnt
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: Illinois Transit Hub
Associated Element: Pace Control Center (IBS)
Associated Element: Pace Transit Bus Vehicles

ID 97 Pace Transit Operations Decision Support System (Project) Planned

Description: This project will create a system that will quickly develop new bus routes when an incident impacts an existing route.
Timeframe: Mid
Geographic Scope:
Service Scope: Transit Management
Developer: MG
Maintainer:
Version:
Revision Date: 25-Apr-2007

Associated Element: Pace Control Center (IBS)
Associated Element: Pace Transit Bus Vehicles

ID100 Regionwide Transit Signal Priority Deployment (Project) Planned

Description: This project will provide a system that will give priority to Pace buses at traffic signals in the region.
Timeframe: Long
Geographic Scope:
Service Scope: Transit Management
Developer: MG
Maintainer:
Version:
Revision Date: 1-May-2007

Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago TMC
Associated Element: Cook County Highway Department Field Equipment
Associated Element: Cook County TMC
Associated Element: DuPage County Field Equipment
Associated Element: DuPage County TMC
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations Field Equipment
Associated Element: Kane County Field Equipment
Associated Element: Kane County TMC
Associated Element: Lake County Field Equipment
Associated Element: Lake County PASSAGE TMC
Associated Element: McHenry County Field Equipment

Architecture Name	Architecture Description	Status

Associated Element: McHenry County TMC
Associated Element: Pace Control Center (IBS)
Associated Element: Pace Transit Bus Vehicles
Associated Element: Will County Field Equipment
Associated Element: Will County TMC

Illinois Gateway (Project) Existing

Description: GCM Corridor Architecture - Illinois Gateway and NE Illinois
Timeframe:
Geographic Scope:
Service Scope: Traffic Management, Traveler Information
Developer:
Maintainer:
Version:
Revision Date: 6-Sep-2007

Associated Element: *999 Cellular Express Line
Associated Element: Academic/Research Organizations Data Warehouse
Associated Element: AMTRAK Rail
Associated Element: Chicago Airports
Associated Element: Chicago Transit Authority Active Transit Station Signs
Associated Element: Chicago Transit Authority Bus Vehicles
Associated Element: Chicago Transit Authority Control Center
Associated Element: Chicago Transit Authority Parking Management Guidance System
Associated Element: City of Chicago 911 CAD
Associated Element: City of Chicago DOT Transportation Website
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago Skyway Field Equipment
Associated Element: City of Chicago Skyway Operations
Associated Element: City of Chicago TMC
Associated Element: CMAP Northeastern Illinois Regional Data Archive
Associated Element: Commercial Vehicles
Associated Element: Cook County Highway Department Field Equipment
Associated Element: Cook County Highway Department Maintenance Bureau Operations
Associated Element: Cook County TMC
Associated Element: CVO Crash Reporting (MCSAP)
Associated Element: CVO Inspection Reporting (ASPEN)
Associated Element: DuPage County EOC
Associated Element: DuPage County Field Equipment
Associated Element: DuPage County Maintenance Operations
Associated Element: DuPage County TMC
Associated Element: Gateway Central
Associated Element: Gateway Website
Associated Element: GCM Data Archive
Associated Element: Hazmat Management and Cleanup
Associated Element: IDOT Central Bureau of Operations Field Equipment
Associated Element: IDOT CVO Inspection Facility
Associated Element: IDOT CVO Permitting - Oversize/Overweight
Associated Element: IDOT District 1 Bureau of Construction
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations Field Equipment
Associated Element: IDOT District 1 Bureau of Traffic - Expressway Operations Unit

Architecture Name	Architecture Description	Status

Associated Element: IDOT District 1 ComCenter
Associated Element: IDOT District 1 ComCenter Field Equipment
Associated Element: IDOT District 1 Maintenance Management
Associated Element: IDOT District 1 Traffic Systems Center (TSC)
Associated Element: IDOT District 1 Traffic Systems Center Field Equipment
Associated Element: IDOT Emergency Traffic Patrol (ETP)
Associated Element: IDOT Rest Area Kiosks
Associated Element: IDOT Weigh Stations
Associated Element: Illinois Environmental Protection Agency (EPA)
Associated Element: Illinois Gateway
Associated Element: Illinois Single State Registration System
Associated Element: Illinois State Police Dispatch (Districts 2, 5 and Chicago)
Associated Element: Illinois State Police District 15 Operations Desk
Associated Element: Illinois Transit Hub
Associated Element: Indiana Gateway
Associated Element: ISTHA Computer Aided Dispatch Center
Associated Element: ISTHA IPASS Business Center
Associated Element: ISTHA I-Pass Toll Plazas
Associated Element: ISTHA Maintenance and Construction
Associated Element: ISTHA TIMS Kiosks
Associated Element: ISTHA TMC (TIMS)
Associated Element: ISTHA TMC Field Equipment
Associated Element: Kane County EOC
Associated Element: Kane County Field Equipment
Associated Element: Kane County Maintenance Operations
Associated Element: Kane County TMC
Associated Element: Lake County Field Equipment
Associated Element: Lake County Highway Maintenance Operations
Associated Element: Lake County PASSAGE TMC
Associated Element: Mayors Office of Special Events
Associated Element: McHenry County EOC
Associated Element: McHenry County Field Equipment
Associated Element: McHenry County Maintenance Operations
Associated Element: McHenry County TMC
Associated Element: Media
Associated Element: Metra Consolidated Control Facility
Associated Element: Metra Parking Management Guidance System
Associated Element: Metra Passenger Information Display System
Associated Element: Metra Trains
Associated Element: Municipal EMCs
Associated Element: Municipal Public Safety Dispatch
Associated Element: Municipal TMCs
Associated Element: Municipal Transit Operations
Associated Element: OHare Air Cargo Terminal
Associated Element: Pace Control Center (IBS)
Associated Element: Pace Transit Bus Vehicles
Associated Element: Port of Chicago Intermodal Facilities
Associated Element: Private Bus Dispatch
Associated Element: Private ISPs - Travel Information Services
Associated Element: Private Parking Lots
Associated Element: Private Sector Maintenance Contractor Operations
Associated Element: Private Taxi Dispatch
Associated Element: Private Tow and Recovery Operations

Architecture Name	Architecture Description	Status

Associated Element: Public/Non-Profit Paratransit Services
Associated Element: Rail Freight Operations
Associated Element: Regional Hospitals
Associated Element: Regional Paratransit Dispatch
Associated Element: Regional Ridesharing and Vanpooling
Associated Element: Regional Transportation Authority Travel Information Center (TIC)
Associated Element: RTA Multimodal Information Kiosks
Associated Element: Satellite TMC OHare Airport
Associated Element: Trucking Distribution Centers
Associated Element: User Personal Computing Devices
Associated Element: Vehicles
Associated Element: Weather Services
Associated Element: Will County EOC
Associated Element: Will County Field Equipment
Associated Element: Will County Maintenance Operations
Associated Element: Will County Sheriff Communications Center
Associated Element: Will County TMC

Northeastern Illinois Regional Data Archive and Management System (Project) Potential

Description: The concept is to create one regional system/database that archives all traffic performance data for the entire Northeastern Region. While individual systems would be responsible for ultimately archiving greater level of detail on their systems,connections, and standards will be adopted so that the regional archive could access the more detailed data for smaller individual efforts.
Timeframe: Mid
Geographic Scope: Northeastern Illinois
Service Scope: Archive Data Management
Developer: LS
Maintainer:
Version:
Revision Date: 6-Sep-2007

Associated Element: Academic/Research Organizations Data Warehouse
Associated Element: Arterial Performance Monitoring System
Associated Element: Chicago Transit Authority Data Archive
Associated Element: City of Chicago TMC
Associated Element: Gateway Central
Associated Element: IDOT Central Bureau of Operations Field Equipment
Associated Element: IDOT District 1 Traffic Systems Center (TSC)
Associated Element: ISTHA TMC (TIMS)
Associated Element: Lake County PASSAGE TMC
Associated Element: Northeastern Illinois Regional Data Archive
Associated Element: Pace Data Archive

Transit Management (Project) Planned

Description:
Timeframe:
Geographic Scope:
Service Scope:
Developer:
Maintainer:
Version:
Revision Date: 4-May-2007

Associated Element: Chicago Transit Authority ATSS System
Associated Element: Chicago Transit Authority Bus Tracker Website

Architecture Name	Architecture Description	Status

Associated Element: Chicago Transit Authority BusInfo System
Associated Element: Chicago Transit Authority Control Center
Associated Element: Chicago Transit Authority Garages
Associated Element: City of Chicago 311 Center
Associated Element: City of Chicago 911 CAD
Associated Element: City of Chicago DOT Transportation Website
Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago Operations Center (OC)
Associated Element: City of Chicago TMC
Associated Element: DuPage County EOC
Associated Element: Gateway Central
Associated Element: Gateway Website
Associated Element: GCM Data Archive
Associated Element: IDOT Central Bureau of Operations Roadway and Weather Information System
Associated Element: IDOT District 1 Bureau of Construction
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations
Associated Element: IDOT District 1 Bureau of Traffic - Arterial Operations Field Equipment
Associated Element: IDOT District 1 ComCenter
Associated Element: IDOT District 1 ComCenter Field Equipment
Associated Element: IDOT District 1 Maintenance Management
Associated Element: IDOT District 1 Maintenance Yards
Associated Element: IDOT District 1 Traffic Systems Center (TSC)
Associated Element: IDOT District 1 Traffic Systems Center Field Equipment
Associated Element: IDOT Emergency Traffic Patrol (ETP)
Associated Element: IDOT Emergency Traffic Patrol Vehicles
Associated Element: IDOT Maintenance Vehicles
Associated Element: IDOT Transportation Website
Associated Element: Illinois 511 System
Associated Element: Illinois DOT Info
Associated Element: Illinois Gateway
Associated Element: Illinois Transit Hub
Associated Element: Illinois Transit Hub Website
Associated Element: Independent School District Dispatch
Associated Element: Indiana Gateway
Associated Element: ISTHA TMC (TIMS)
Associated Element: ISTHA TMC Field Equipment
Associated Element: Kane County Field Equipment
Associated Element: Kane County Maintenance Operations
Associated Element: Kane County Maintenance Vehicles
Associated Element: Kane County TMC
Associated Element: Kendall County 911 Center
Associated Element: Lake County Field Equipment
Associated Element: Lake County Highway Construction Operations
Associated Element: Lake County Highway Maintenance Operations
Associated Element: Lake County PASSAGE TMC
Associated Element: Lake County PASSAGE Website
Associated Element: Metra Consolidated Control Facility
Associated Element: Metra GPS Center (TIMS)
Associated Element: Metra Passenger Information Display System
Associated Element: Municipal Parking Management Guidance System
Associated Element: Municipal Public Safety Dispatch
Associated Element: Municipal Public Safety Vehicles

Architecture Name	Architecture Description	Status

Associated Element: Municipal TMCs
Associated Element: Municipal Transit Operations
Associated Element: Municipal/Township Field Equipment
Associated Element: Municipal/Township Maintenance Operations
Associated Element: NICTD Dispatch
Associated Element: Pace BusInfo System
Associated Element: Pace Control Center (IBS)
Associated Element: Private Bus Dispatch
Associated Element: Private ISPs - Travel Information Services
Associated Element: Private Taxi Dispatch
Associated Element: Public/Non-Profit Paratransit Services
Associated Element: Regional Paratransit Dispatch
Associated Element: Regional Ridesharing and Vanpooling
Associated Element: Regional Transportation Authority Travel Information Center (TIC)
Associated Element: RTA Multimodal Trip Planner
Associated Element: Satellite TMC OHare Airport
Associated Element: WebWatch Internet Site
Associated Element: Will County Field Equipment
Associated Element: Will County Maintenance Operations
Associated Element: Will County TMC
Associated Element: Wisconsin Gateway (MONITOR)

Status Value Legend

Name	Description
Existing	Currently in place
Planned	Currently funded/undergoing planning or design
Potential	Currently does not have funding/is not planned but a need for it has been identified
Not Planned	