# **Architecture Summary**

5/29/2012 2:11:42PM



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 the City to facilitate efficient and faster movement of traffic and emergency vehicles on City streets. This project builds upon existing traffic management equipment and functions such as the Chicago fiber/wireless backbone communications infrastructure, MIST centralized traffic signal control system, 911 Computer Aided Dispatch system, Operation Virtual Shield (OVS) CCTV cystem, the Chicago Incident Center, the Joint Operations Center, etc. The Chicago TMC provides traffic management operators the ability to monitor, schedule and control field devices such as variable message signs, highway advisory radio systems, traffic signals, etc., and to facilitate and/or provide a platform for automation of efficient responses to incidents and traffic conditions.

Phase III 2009/2010

Timeframe: Phase II - 2009 Geographic Scope: City of Chicago

Service Scope: Covers traffic management, traveler information, emergency/incident management.

Developer: City of Chicago Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

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 Maintenance CAD
Associated Element: City of Chicago OEMC Field Equipment
Associated Element: City of Chicago Operations Center (OC)

Associated Element: City of Chicago OVS

Associated Element: City of Chicago Permit System

Associated Element: City of Chicago TMC

### ID 4 Cicero Ave Smart Corridor (Project)

Existing

Description: This project creates an intelligent network of traffic management devices to operate traffic services on

Cicero Avenue from I-55 to Midway Airport. The systems currently deployed under this project include 16 signals, 6 CCTVs, 2 DMSs and system detectors. Future enhancements include enhanced detection and

surveillance, traffic responsive signal control, and other roadside device enhancements.

Timeframe: Phase II - Mid

Geographic Scope: Cicero Avenue from I-55 to Midway Airport

Service Scope: Traffic management, monitoring and control, and traveler information

Architecture Name Architecture Description

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

Associated Element: City of Chicago 911 CAD

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

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

Associated Element: Illinois Gateway

#### ID 5 Cicero Ave Smart Corridor ATIS (Project)

Planned

**Status** 

Description: The center of the Cicero Ave Smart Corridor Project is the Advanced Traffic Management System (ATMS).

The ATMS integrates the following components to provide comprehensive information systems to collect and disseminate traffic information in and around the corridor: 1) traffic sensor devices to report speed, volume, and occupancy 2) upgrade of the Midway Airport highway advisory radio 3) one new DMS on Cicero Avenue and two new DMS on I-55 4) railroad gate downtime from 6 railroad gates around Midway

Airport, and 5) an enhanced traveler information kiosk at Midway Airport.

Timeframe: Mid

Geographic Scope: Cicero Avenue from I-55 to Midway Airport

Service Scope: Traffic management, monitoring and control, and traveler information

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

Associated Element: City of Chicago 911 CAD

Associated Element: City of Chicago DOT Traveler Information Kiosks

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

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

Associated Element: Illinois Gateway
Associated Element: Rail Freight Operations

Associated Element: RTA Multimodal Information Kiosks

### ID 6 Chicago Citywide Smart Corridors (Project)

Planned

Description: This project deploys sensors, signal control equipment, DMS and CCTV technologies on 300 miles of

Strategic Route Arterials to detect and report traffic conditions to the Chicago TMC. This information provides for traffic monitoring, centralized signal operations, incident management, and traveler information. Signal timing plans would be dynamically modified to accommodate real-time traffic

conditions. Traffic condition information will facilitate incident and emergency response.

Timeframe: Mid

Geographic Scope: City of Chicago (citywide)

Service Scope: Traffic management, monitoring and control, incident management, traveler information.

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

Associated Element: City of Chicago 911 CAD

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

Associated Element: City of Chicago Incident Center (CIC)

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Architecture Name Architecture Description

Associated Element: City of Chicago OEMC Field Equipment

Associated Element: City of Chicago TMC

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

Existing

**Status** 

Description: Approximately 5% (133) of the city's signalized intersections now have Red Light running enforcement

capability. The City of Chicago has planned for a total of 500 Red Light running enforced intersections over the next three years. The traffic signal phases are monitored by red-light running cameras with automated processing to detect violations, record photographic evidence, and ticket violators. The

red-light cameras are also capable of capturing traffic volume and speed.

*Timeframe:* Short

Geographic Scope: Chicago citywide at high crash rate intersections

Service Scope: Monitoring and enforcement

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

Associated Element: City of Chicago OEMC Field Equipment

Associated Element: City of Chicago TMC
Associated Element: Dept of Driver Services
Associated Element: Red Light Running Cameras
Associated Element: Revenue Administration

#### ID 101 Illinois Gateway (Project)

Existing

Description: GCM Corridor Architecture - Illinois Gateway currently collects and distributes real time expressway

information which is accessible to system operators and to the traveling public via the internet to assist in

trip planning.

Timeframe: short

Geographic Scope: Regional

Service Scope: Traffic Management, Traveler Information

Developer: IDOT
Maintainer: C Bozic

Version:

Revision Date: 4-Feb-2009

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

**Status** 

Architecture Name Architecture Description

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

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

#### Architecture Name Architecture Description

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
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

## ID 102 Northeastern Illinois Regional Data Archive and Management System

Planned

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**Status** 

(Project)

Description:

This project is intended to to create one regional system/database that archives all traffic performance and traveler information for Northeastern Illinois. Operators will have remote access to the data via the internet for operational decisionmaking. 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.

This project will be led by CMAP as a part of CMAP's regional data warehouse program.

Timeframe: Mid

Geographic Scope: Northeastern Illinois Service Scope: Archive Data Management

Developer: CMAP
Maintainer: C Bozic

Version:

Revision Date: 4-Feb-2009

Associated Element: Academic/Research Organizations Data Warehouse

Associated Element: Arterial Performance Monitoring System Associated Element: Chicago Transit Authority Data Archive

Architecture Name **Architecture Description** 

> 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

#### ID 103 Illinois Tollway Smart Work Zones (Project)

Description: This project will involve the use of mobile technology to monitor the area around construction zones for

improved safety and to provide information to the traveling public.

Timeframe:

Geographic Scope: Regional, mobile

Service Scope:

Benda Developer: C Bozic Maintainer:

Version:

4-Feb-2009 Revision Date:

Associated Element: ISTHA Computer Aided Dispatch Center Associated Element: ISTHA Maintenance and Construction Associated Element: ISTHA Maintenance Vehicle

Associated Element: ISTHA TMC (TIMS)

Associated Element: ISTHA TMC Field Equipment

#### ID 104 Google Transit Trip Planner (Project)

Description: Public private partnership between Google and transit agencies to provide interactive trip planning through

the google mapping service.

Timeframe: short

Geographic Scope: regionwide

Service Scope: Metra and CTA are currently participating. The service does not provide Pace information.

Developer: Google Maintainer: **Bozic** 

Version:

9-Feb-2009 Revision Date:

Associated Element: Private ISPs - Travel Information Services

### ID 105 Transit Management Systems (Project)

Planned

Existing

Description: Transit management systems integrate voice/data communications, computer aided dispatching and

automatic vehicle location technologies to improve operating efficiency by increasing transit reliability and schedule adherence. Transit management systems are the core technologies that will enable the of traveler information. The RTA is currently supporting the development of advanced and integrated transit management systems at the CTA, Metra and Pace that will support a real-time bus information

system for the entire region

mid Timeframe:

Geographic Scope: regionwide

Service Scope:

Developer: RTA Bozic Maintainer:

Version:

Revision Date: 4-May-2007

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

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Existing

**Status** 

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: Indiana Gateway

Associated Element: Illinois Transit Hub Website

Associated Element: Independent School District Dispatch

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)

#### ID 11 City of Chicago Traffic Signal Interconnects (Project)

Existing

Planned

Description: This project coordinates and centralizes the command and control of traffic signals on city of Chicago

arterials. The project encompasses three different types of interconnects: MIST, CLMATS, and CLS-DOS. About 470 of the nearly 3,000 signals in the city of Chicago are interconnected. Detectors

used in the MIST system are capable of collecting traffic volume, speed and occupancy.

Timeframe: Short

Geographic Scope: Citywide, may expand as part of regional communications network.

Service Scope: Traffic Monitoring and Control

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

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 Bureau of Traffic - Arterial Operations

#### ID 12 Chicago Traffic Signals Wireless Interconnect (Project)

Description: This project will interconnect signals along 16 arterial corridors in the city of Chicago. The signals will be

connected to each other and a central server over a hybrid wireless/fiber network. Where possible, signals

will be operated under a centralized signal control.

Timeframe: mid

Geographic Scope: 16 arterial corridors in the city of Chicago

Service Scope: Traffic monitoring and control

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 3-Jun-2009

Associated Element: City of Chicago Incident Center (CIC)
Associated Element: City of Chicago OEMC Field Equipment

Architecture Name

#### **Architecture Description**

Status

Associated Element: City of Chicago TMC

## ID 13 Chicago Skyway Travel Monitoring and Integration with IDOT Gateway

Planned

(Project)

Description: The Skyway Concession Company 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.

Timeframe: Mid Geographic Scope: Service Scope: MG Developer:

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 14 Chicago Critical Bridge Infrastructure (Project)

Existing

This project involves installation of CCTV cameras and weather sensors on City of Chicago bridges. Description:

These devices ensure the safety and security of the bridges as well as the motorists. Video and sensor data

will provide information to assiste in pre-treatments with chemicals to prevent black ice buildup.

Timeframe:

Geographic Scope: City of Chicago Service Scope: infrastructure surveillance City of Chicago OEMC Developer:

Maintainer: C Bozic

Version:

3-Jun-2009 Revision Date:

Associated Element: City of Chicago DSS Bureau of Street Operations Dispatch

Associated Element: City of Chicago OEMC Field Equipment

Associated Element: City of Chicago TMC Associated Element: MCO Vehicles

## ID 15 Chicago Truck Route Advisory System (Project)

Planned

This project will provide an interactive web page in which truckers would enter an origin and destination Description:

> 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.

Timeframe: Mid Geographic Scope: citywide traveler information Service Scope: city of Chicago Developer:

C Bozic Maintainer:

Version:

2-Jun-2009 Revision Date:

Architecture Name Architecture Description

Associated Element: Arterial Performance Monitoring System
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 TMC

Associated Element: Mayors Office of Special Events
Associated Element: User Personal Computing Devices

## ID 16 Lake Shore Drive and 18th/31st Street Ramp Congestion Relief Project

Existing

**Status** 

(Project)

Description: This project implements coordination between Lake Shore Drive and the City of Chicago traffic signals on

18th St. and 31st St. exit ramps. The currently implemented system at the 18th street signal determines the level of congestion on the exit ramp using loop detectors. The signal timing would be modified to clear

the off-ramp congestion on Lake Shore Drive. A similar systtem will be implemented for 31st Street.

Timeframe: short

Geographic Scope: Two intersections, Lake Shore Drive at 18th and 31st Streets

Service Scope: Signal coordination

Developer: Chicago Department of Transportation

Maintainer: C Bozic

Version:

Revision Date: 3-Jun-2009

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

#### ID 17 Chicago Information Integration and Improvement Project (Project)

Existing

Description: This project creates a comprehesive archive of traffic related data. Data stored in the current archive

includes average daily traffic, crash data, and a traffic signal inventory and operational information. Data can be combined and displayed on maps to get a comprehensive view. Currently data is accessible through an internal website with a map interface. In the future the interactive web-based map will be made

available to the public.

Timeframe: short

Geographic Scope: citywide

Service Scope: data provision

Developer: City of Chicago OEMC

Maintainer: C Bozic

Version:

Revision Date: 3-Jun-2009

Associated Element: City of Chicago DOT Transportation Website

Associated Element: City of Chicago TMC Associated Element: Illinois Gateway

Associated Element: User Personal Computing Devices

### ID 18 Parking Management System (Project)

Planned

Description: This project provides real-time parking and traveler information for on-street meters and off-street spaces.

Central area parking will be monitored for occupancy, availability and pricing. Parking at special facilities such as Navy Pier and Grant Park/Millennium Park could also be monitored. The information would be tied to congestion levels and the parking prices varied dynamically as a congestion reduction strategy. Various methods would be used to distribute real-time parking, pricing and congestion information to

travelers and operators including internet, mobile devices, alerts and variable message signs.

Timeframe: Mid

Geographic Scope: Chicago central area congestions zones and special facilities such as Navy Pier and GRant Park/

Millinnium Park

Architecture Name Architecture Description

Service Scope: Traveler information, congestion mitigation
Developer: Chicago Department of Transportation

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

Associated Element: Chicago Park District Parking Management System
Associated Element: City of Chicago DOT Transportation Website

Associated Element: City of Chicago TMC
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

**Status** 

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 20 City of Chicago Snow Command (Project)

Planned

Description: This project installs in-ground sensors and other sensor technology to report road surface temperature,

moisture levels, and traction level on over 300 miles of strategic arterial roadways in the city of Chicago. The data will be transmitted to both the Snow Command desk and the Chicago TMC. Data would be used

to monitor and route city assets for roadway safety, including snow removal.

Timeframe: mid

Geographic Scope: 300 miles of Strategic Regional Arterial roadways

Service Scope: monitoring and maintanance

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 3-Jun-2009

Associated Element: Chicago Transit Authority Bus Vehicles
Associated Element: Chicago Transit Authority Control Center

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

Associated Element: City of Chicago DSS Bureau of Street Operations Dispatch

Associated Element: City of Chicago OEMC Field Equipment

Associated Element: MCO Vehicles
Associated Element: Weather Services

### ID 21 Chicago Citywide BRT/TSP (Project)

Planned

Description: Bus Rapid Transit (BRT) services to be implemented on four routes initially with expansion citywide

expected to follow. The project includes BRT functionality and transit signal priority. The project involves conversion of one traffic or parking lane to a dedicated bus lane during rush hours, off-board fare payment, multiple entry buses, transit information, upgraded stations, signal priority for BRT buses and

other features.

**Architecture Name Architecture Description** 

> Timeframe: mid

Geographic Scope: citywide

Service Scope: transit services and traffic management

Chicago Transit Authority Developer:

C Bozic Maintainer:

Version:

Revision Date: 3-Jun-2009

Associated Element: Chicago Transit Authority Bus Vehicles Associated Element: Chicago Transit Authority Control Center Associated Element: Chicago Transit Authority Farecard Machines

Associated Element: Chicago Transit Authority Smartcard

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

Associated Element: RTA Multimodal Information Kiosks Associated Element: User Personal Computing Devices

#### ID 22 Chicago Signal Controller Upgrade (Project)

Planned

**Status** 

Description: This project upgrades signal controllers on the city of Chicago traffic signal network. About 300 older

controllers will be replaced with advanced traffic controllers (ATC) with increased functionality and

communications capabilities. In addition, about 600 signal heads will be fittled with LEDs.

Timeframe: short Geographic Scope: citywide

traffic control and management Service Scope:

City of Chicago Developer: C Bozic Maintainer:

Version:

Revision Date: 3-Jun-2009

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

Associated Element: City of Chicago OEMC Field Equipment

Associated Element: City of Chicago TMC

### ID 23 City of Chicago Traffic Surveillance (Project)

Planned

Dedicated traffic cameras and video from Chicago This project monitors traffic on strategic arterials. Description:

Operation Virtual Shield (OVS) video network will be made available for Traffic Monitoring.

Timeframe: mid Geographic Scope: citywide

traffic and incident monitoring and managment Service Scope:

City of Chicago Developer: Maintainer: C Bozic

Version:

3-Jun-2009 Revision Date:

Associated Element: City of Chicago Incident Center (CIC) Associated Element: City of Chicago OEMC Field Equipment

Associated Element: City of Chicago TMC

# ID 24 City of Chicago Portable Variable Message Sign (VMS) Communication

Planned

Upgrade (Project)

Description: This project allows remote management and operation of the portable VMS using cellular digital dial-up

> Placement and remote management of portable telephone capabilities to communicate with the VMS.

message signs facilitates managing traffic for planned and unplanned events.

Timeframe: mid

Geographic Scope: citywide

Service Scope: traffic management and control

Architecture Name Architecture Description

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 3-Jun-2009

Associated Element: City of Chicago 911 CAD

Associated Element: City of Chicago DSS Bureau of Electricity Signal Maintenance (DSS/BOE)

Associated Element: City of Chicago OEMC Field Equipment

Associated Element: City of Chicago TMC

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

Planned

**Status** 

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:

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. The feasibility study

and conceptual design is completed.

Timeframe: Short-Mid Geographic Scope: Kane County

Service Scope:

Architecture Name Architecture Description Status

Developer: MG
Maintainer: C Bozic

Version:

Revision Date: 4-Feb-2009

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)

Existing

Description: This project will continue the system implementation of the Lake County TMC.

Phase I (complete) The initial phase interconnected 140+ signals. to a central TMC, connected 40 PTZ cameras, installed 3 HAR towers, installed a link to the northeastern Illinois Gateway and al ink to the Lake County Sheriff's CAD.

Phase II (underway) Will incorporate an additional 200 traffic signals, install 75 PTZ cameras, add 2 additional HAR towers and create a link to the Vernon Hills police department dispatch center.

Phase III (planned) This phase will create a wireless network for many of the isolated traffic signals within the county as well as incorporate an additional 4 police department dispatch centers.

Timeframe: Short-Mid

Geographic Scope: Lake County

Service Scope:

Developer: JP Nelson Lake County DOT

Maintainer: C. Bozic

Version:

Revision Date: 4-Feb-2009

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 of the Will County traffic management and Will County

emergency operations centers. The feasibility study for this project has been completed.

Timeframe: long

Geographic Scope: Will County

Service Scope:

Developer: MG Maintainer: C Bozic

Version:

Revision Date: 4-Feb-2009

Associated Element: Will County EOC

Associated Element: Will County Field Equipment

Associated Element: Will County TMC

Architecture Name

**Architecture Description** 

Status

#### ID 41 Integration of Centers (Project)

Planned

Description: This project will connect and integrate the Chicago TMC with regional transportation management,

emergency management, and operations centers including the Gateway Traveler Information System in

order to share traffic operations, incident, and other information.

Timeframe: Mid

Geographic Scope: Chicago and northeastern Illinois

Service Scope: Real-time traffic, transit, incident, and ievent information including congestion, delays, closures, detours,

crashes, and construction.

Developer: City of Chicago OEMC

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

Associated Element: City of Chicago 911 CAD Associated Element: City of Chicago TMC 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

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:

Architecture Name Architecture Description

Status

Developer:

Maintainer: Version:

Revision Date: 2-May-2007

MG

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:

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 coordinates operations of the regional expressway and arterial systems. The project enables active management of expressway/arterial corridors in a cooperative manner based on real-time traffic conditions on the respective facilities and segments. The project may require upgrade of detection and surveillance on the integrated corridors. Control strategies could include ramp meters, dynamic message signs, lane control, variable speed limits, signal timing and coordination, highway advisory radio, and traffic signals. The project iwll install ramp queue detectors, both for on-ramps and off-ramps. Ramp terminal signal control would be modified to either hold entry on to I-290 (on-ramp congestion) or clear the off-ramp (spillback onto I-290). Future projects will include Halsted Street exit on I-57 and Cicero Avenue exit on I-55. The implementation might link City signals with the IDOT Traffic Systems Center and/or to ramp meters locally.

Timeframe: Mid

Geographic Scope: Pilot project on I-290/Eisenhower Expressway:

Service Scope: Traffic operations, monitoring and control

Turbo Architecture v7.0.1

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Architecture Name Architecture Description

Developer: City of Chicago

Maintainer: C Bozic

Version:

Revision Date: 2-Jun-2009

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

Planned

**Status** 

(Project)

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)

Potential

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.

Timeframe: Long Geographic Scope:

Service Scope: Advanced Traveler Information System

Developer: MG
Maintainer: C Bozic

Version:

Revision Date: 4-Feb-2009

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

**Architecture Name Architecture Description** 

> Developer: MG

Maintainer: Version:

Revision Date: 1-May-2007

Associated Element: Illinois Local Accident Reporting System

#### ID 60 ITS Applications for WorkZones (Project)

Planned

**Status** 

This project is an IDOT initiative for deploying various technologies like CCTVs, DMS etc. in workzone Description:

areas to improve traveler conditions, worker safety etc.

Timeframe: Geographic Scope: Service Scope:

Developer: MG

Maintainer: Version:

4-May-2007 Revision Date:

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 Chicago Arterial Performance and Monitoring System (APMS) (Project)

Planned

Description: The Chicago Arterial Performance and Monitoring System (APMS) will receive input from both stationary

and mobile assets to estimate traffic congestion on 300 miles of strategic arterial routes. The congestion data will be displayed on a color-coded web-accessible map to indicate traffic conditions relative to predefined norms. CTA buses in combination with stationary in-ground sensors and toll-tag readers are being considered as source data components to implement this strategy. The traffic condition information

will be used for operations decisions such as signal timing/coordination and for traveler information.

mid Timeframe:

Geographic Scope: citywide

Service Scope: Traffic monitoring, traveler information, operations

City of Chicago Developer: C Bozic

Maintainer:

Version:

2-Jun-2009 Revision Date:

Associated Element: Arterial Performance Monitoring System Associated Element: Chicago Transit Authority Bus Vehicles Associated Element: Chicago Transit Authority Control Center Associated Element: City of Chicago DOT Transportation Website Associated Element: City of Chicago OEMC Field Equipment

Associated Element: Illinois Gateway

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

Planned

This project would develop a Traveler Information System to provide travelers with information regarding Description:

delays due to trains.

Timeframe: Short Geographic Scope:

Service Scope: Advanced Traveler Information System

**Architecture Description Architecture Name** 

> 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 69 ISTHA TIMS Enhancement (Project)

This project will expand the software capabilities of the TIMS, including enhanced connectivity to the Description:

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)

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:

Service Scope: Traffic Mngmnt

Developer: MG Maintainer: Bozic

Version:

9-Jan-2009 Revision Date:

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

**Status** 

Planned

Existing

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:

Turbo Architecture v7.0.1

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**Architecture Name** 

#### **Architecture Description**

Status

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

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

Architecture Name Architecture Description

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

**Status** 

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

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

Turbo Architecture v7.0.1

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Architecture Name Architecture Description Status

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

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

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	