

# WORK ORDERS UNDERWAY

## Gary-Chicago-Milwaukee (GCM) ISTEA Federal Funding Utilization FY 93, 94, 96 & 97 *Work Order Status Report as of February 16, 2005*

### Work Order #5A (Illinois-RTA):

- Proj. 1.6 Active Transit Station Signs:
    - 1.6.1 Specifications/Requirements Fed. Funds = \$ 62,662
    - 1.6.2 Design/Develop/Test System Fed. Funds = \$133,338
    - 1.6.3 Demonstrate and Test an Active Transit Sign System Fed. Funds = \$536,160
- \$732,160**

A contract amendment to this work order has been executed.

**Activities:** In June 2004, the system passed the performance testing phase and has transitioned into the warranty phase of the program. Currently an evaluation plan is being prepared.

### Work Order #6A (Illinois):

- Proj. 3.1 Coordinated Incident Management Program Fed. Funds = \$60,000
- Proj. 5.1.1 TMS Integrated Operation - Current Operations Fed. Funds = Transfer
- Proj. 5.1.2 TMS Integrated Operations - Develop Strategy Fed. Funds = Transfer
- Proj. 7.1.1 T. S. Integration - Coordinated Guidelines Fed. Funds = Transfer
- Proj. 9.1.1 Integrated Cellular Call-in Services Fed. Funds = Transfer

### Work Order #6B (Illinois):

- Proj. 9.2.1 Hazardous Material Tracking Project Fed. Funds = \$325,000
- \$385,000**

Draft work orders for funds available will be prepared in the near future.

**Activities:** Funds contained in this work order have been transferred for use in the development, testing, deployment and operation of ITS to support construction/reconstruction projects planned in 2005 along the Borman Expressway (Interstate 80), Tri-State Tollway (Interstate 294), Dan Ryan Expressway (Interstate 94), and Chicago Skyway (Interstate 90). A proposed concept involves developing criteria and a mechanism to provide congestion/incident email updates to the public, and adding an alert section to the GCM home page. The concept also includes development of a wireless version of the core www.gcmtravel.com pages to meet consumer demand and procurement and implementation of improved layers of redundancy for C2C communications to the TSC, WISDOT, INDOT, and Tollway to improve overall performance. This work order also includes review of construction and incident entry mechanisms into regional systems. Methodologies and quality control will be part of the review.

### Work Order #8 (Illinois-RTA):

- Proj. 2.4.2 Transit Mgmt. Sys. - Bus System Coordination Fed. Funds = \$ 0
  - Proj. 2.4.3 Transit Mgmt. Sys. - Bus Management Systems Fed. Funds = \$880,000
  - Proj. 2.4.4 Transit Mgmt. Sys. - Integrated Payment Services Fed. Funds = \$ 0
- \$880,000**

A contract amendment to this work order was executed in November 2000.

# WORK ORDERS UNDERWAY

**Activities:** In late June 2004 the system achieved its second major milestone of generating predictions and the BusInfo hardware was installed at the RTA offices. The system acceptance review took place on July 27, 2004. The next phase of the BusInfo project is an interface design with complementary systems such as Interactive Voice Response (IVR), CTA Wireless Supervisory Control, Travel Information Center (TIC), Regional Travel Information Kiosk, Regional Transit Asset Management System (RTAMS) and Internet Access Capability. The final system design is scheduled for the end of the month.

## **Work Order #15A (Wisconsin):**

- Proj. 1.5.1 Corridor Trans. Info. Center (C-TIC) Development                      **Fed. Funds = \$232,000**  
- MONITOR Integration with C-TIC

Work order was formally approved by FHWA on July 22, 1996.

**Activities:** WisDOT communications network is in place. Once Illinois DOT network is in place, will allow for better interstate communication and field equipment usage. Waiting for Illinois DOT link-up.

## **Work Order #15D (Wisconsin):**

- Proj. 3.4.3 Wisconsin Incident Mgmt. - Milwaukee Deployment                      **Fed. Funds = \$120,000**  
- Emergency Service Colocation Training

The work order was formally approved by FHWA on October 21, 1996.

**Activities:** Sheriff liaison officer provides ongoing interagency support. Some current projects that the liaison is providing support for are the Marquette Interchange reconstruction, the Enhanced Freeway Patrol squads, and coordination for the upcoming special events season.

## **Work Order #18 (Illinois):**

- Proj. 7.1.3 T.S. Integration - Illinois Study    **Fed. Funds = \$96,000**

The IDOT/FHWA work order was executed on October 7, 1998. Funds have been provided with ADVANCE Application Phase Federal Funds for the design and deployment of Project 1A covering 80% of the total project cost. The remaining twenty percent is being provided by non-federal sources.

**Activities:** Cicero Avenue Smart Corridor Project 1A is the first of the six projects that were presented to the public on October 25, 2000. The first project involves design of a closed loop traffic system and an associated advanced traffic management system including Closed Circuit Television (CCTV) cameras, Variable Message Signs (VMS) and non-invasive system detectors. A consultant contract with Parsons Transportation Group was approved on April 9, 2002. Options Technical Memo detailing the functional, software and hardware requirements was prepared by PTG in January 2003. Based on the memo, PTG completed preliminary plans, specifications and estimates in July 2003. Final plans were completed in December 2003, and the project was bid by the City of Chicago in early February 2004. The selected Contractor, City Lights, began work last summer and will be substantially complete this fall. However, due to a delay in CTA's upgrade of Orange Line fiber to next year, the communications connection to CDOT downtown will not be completed until the fall. Project completion is now slated for that time frame.

# WORK ORDERS UNDERWAY

## **Work Order #19 (Wisconsin):**

- |  |                               |
|--|-------------------------------|
| - Proj. 7.1.4 Integrated Corridor Operations - WI Study            | Fed. Funds = \$40,000         |
| - Proj. 7.2.3 Integrated Corridor Operations - WI Operational Test | Fed. Funds = <u>\$560,000</u> |
|  | <b>\$600,000</b>              |

The work order was formally approved by FHWA on January 6, 1996.

**Activities:** The Edwards and Kelcey contract support by this work order was completed on January 31, 1999. The remaining funds will be utilized for the ICOP evaluation and deployment.

## **Work Order #25A (Wisconsin):**

- |  |                        |
|--|------------------------|
| - Proj. 3.4.3 Wisconsin Incident Mgmt. - Milwaukee Deployment<br>- Milwaukee County Enhanced Freeway Patrols | Fed. Funds = \$280,000 |
|--|------------------------|

The work order was formally approved by FHWA on February 19, 1998.

**Activities:** The Milwaukee County Sheriff's department continues to deploy the enhanced freeway squads. The squads are currently patrolling the Marquette Interchange project six days per week, and continue to patrol other sectors of the freeway. The squads will also be utilized for summer special events.

## **Work Order #27 (Illinois-RTA):**

- |                                      |                  |
|--------------------------------------|------------------|
| - Proj. 2.4.3 Bus Management Systems | Fed. Funds = \$0 |
|--------------------------------------|------------------|

A contract amendment to this work order is being executed.

**Activities:** The \$160,000 federal funds for this work order are being reprogrammed to Project 1.6.

## **Work Order #30 (Wisconsin):**

- |  |                        |
|--|------------------------|
| - Proj. 2.1.4 Milwaukee County Transit Dispatch and<br>MONITOR Data Link | Fed. Funds = \$240,000 |
|--|------------------------|

A work order has been developed and submitted to WisDOT.

**Activities:** Project concepts remain under development by the Wisconsin Department of Transportation and the Milwaukee County Department of Public Works.

## **Work Order #32 (Illinois-RTA):**

- |   |                               |
|---|-------------------------------|
| - Proj. 2.5.1 Parking Management System Feasibility Study             | Fed. Funds = \$ 80,000        |
| - Proj. 2.5.2 Design, demonstration and test of Parking Mgmt. Systems | Fed. Funds = <u>\$320,000</u> |
|   | <b>\$400,000</b>              |

A contract amendment to this work order is being executed.

**Activities:** The project is currently in the construction phase.

# WORK ORDERS COMPLETED

## **Work Order #1 (Illinois):**

- Proj. 1.1.1 Illinois Regional Strategic Plan

Fed. Funds = Transfer

The work order was never developed, because the project was included as part of the NE Illinois Strategic Early Deployment Plan.

**Activities:** The work order was not developed.

## **Work Order #2 (Indiana):**

- Proj. 1.1.1 Indiana Regional Strategic Plan

Fed. Funds = \$50,000

The work order was formally approved by FHWA on August 14, 1996.

**Activities:** The work order has been completed.

## **Work Order #3 (Wisconsin):**

- Proj. 1.1.1 Wisconsin Regional Strategic Plan

Fed. Funds = \$240,000

The work order was formally approved by FHWA on January 5, 1996.

**Activities:** The work order has been completed.

## **Work Order #4 (Illinois):**

- Proj. 1.1.2 Corridor Strategic Plan

Fed. Funds = \$100,000

- Proj. 1.1.3 Corridor Architecture

Fed. Funds = \$110,000

- Proj. 1.3.1 Info. Clearinghouse - Init. Admin. Network

Fed. Funds = \$45,000

- Proj. 1.3.2 Info. Clearinghouse – Req./Spec./Agreements

Fed. Funds = \$100,000

- Proj. 1.3.3 Info. Clearinghouse - Design/Develop/Test

Fed. Funds = \$100,000

- Proj. 1.4.1 Integ. Weather Info. Sys. - Needs & Design

Fed. Funds = \$75,000

- Proj. 1.5 Gateway Transportation Information System

Fed. Funds = \$350,000

- Proj. 1.7.1 Coordinated VMS & HAR

Fed. Funds = \$100,000

\$980,000

The work order was formally approved by FHWA on July 26, 1996.

**Activities:** The work order has been completed.

## **Work Order #5B (Illinois-RTA):**

- Proj. 2.3 Connection Protection:

- 2.3.1 Functional Requirements/Specs.

Fed. Funds = \$27,840

- 2.3.2 Design, Develop & Test Prototype

Fed. Funds = \$ 0

\$27,840

A contract amendment to this work order was executed in November 2000.

**Activities:** This work has been completed.

# WORK ORDERS COMPLETED

## **Work Order #7 (Illinois-RTA):**

- Proj. 2.1 Electronic Schedule System Fed. Funds = \$ 35,812
- 2.1.1 Requirements/Specifications Fed. Funds = \$464,188
- 2.1.2 Design/Develop/Test System \$500,000

This work order has been completed.

**Activities:** The Phase I portion (2.1.1) was completed in February 1998 and the Phase II portion (2.1.2) was completed in June 2000.

## **Work Order #9 (Indiana):**

- Proj. 3.2.1 Incident Mgmt. - Additional Staff/Equipment Fed. Funds = \$140,000
- Proj. 3.2.2 Incident Mgmt. - Expert System Fed. Funds = \$260,000
- \$400,000

The work order was formally approved by FHWA on January 10, 1996.

**Activities:** The work order has been completed.

## **Work Order #10A (Illinois):**

- Proj. 3.3.3 Emergency Traffic Patrol - Upgrade Equip. Fed. Funds = \$607,632

The work order was formally approved by FHWA on January 24, 1996. An amendment to this work order was approved by FHWA on December 16, 1996.

**Activities:** The work order has been completed.

## **Work Order #11A (Wisconsin):**

- Proj. 3.4.2 Wisconsin Incident Management Fed. Funds = \$600,000
- Mobile Data Network for Milwaukee County

The work order, which supersedes the original Work Order 11, was approved by FHWA on March 3, 1999.

**Activities:** This work order has been completed.

## **Work Order #12A (Wisconsin):**

- Mgmt. Services Contract (Interim) Fed. Funds = \$150,000
- Proj. 4.1 ITS Deployment Committee
- Proj. 4.2 Technical Support
- Proj. 4.3 Outreach/Education

The work order was formally approved by FHWA on October 30, 1995.

**Activities:** The work order has been completed.

# WORK ORDERS COMPLETED

## Work Order #12B (Wisconsin):

- Mgmt. Services Contract (Long-Term)
- Proj. 4.1 ITS Deployment Committee
- Proj. 4.2 Technical Support
- Proj. 4.3 Outreach/Education

Fed. Funds = \$350,000

The work order was formally approved by FHWA on December 7, 1995.

Activities: The work order has been completed.

## Work Order #12C (Wisconsin):

- Mgmt. Services Contract (Long-Term)
- Proj. 4.1 ITS Deployment Committee
- Proj. 4.2 Technical Support
- Proj. 4.3 Outreach/Education

Fed. Funds = \$190,000

The work order was formally approved by FHWA on August 29, 1996.

Activities: The work order has been completed.

## Work Order #13 (Indiana):

- Project 5.2.1 Indiana TMS - Phase 2 Implementation

Fed. Funds = \$2,966,500

Draft Work Order #13A was revised to include funding originally proposed with Work Order #13B. The new work order, Work Order #13, was formally approved by FHWA in August 1997.

Activities: This work order has been completed.

## Work Order #14 (Illinois):

- Project 5.3.2 Video Surveillance Expansion & Development of Alternate Surveillance Capabilities during Construction
- Project 5.3.3 Upgrade Freeway Traffic Management System

Fed. Funds = \$636,000

Fed. Funds = \$240,000  
\$876,000

The work order was formally approved by FHWA on July 26, 1996. An amendment to this work order to include an additional \$324,800 in FY 96 funds for Project 5.3.2 to allow the installation of additional video surveillance was approved by FHWA on December 17, 1996. Funds in the amount of \$31,200 in FY 96 funds have been transferred from Project 5.3.1 to Project 5.3.2.

Activities: The work order has been completed.

## Work Order #15B (Wisconsin):

- Proj. 1.1.1 Wisconsin Regional Strategic Plan
- Comm. & Data Sys. Infrastructure Design (CDSI)

Fed. Funds = \$549,166

The work order was formally approved by FHWA on October 21, 1996.

Activities: All project deliverables were completed and accepted.

# WORK ORDERS COMPLETED

## **Work Order #15C (Wisconsin):**

- Proj. 3.4.1 Wisconsin Incident Management - Program Design Fed. Funds = \$140,000
- Special Events Mgmt. Plan & Incident Mgmt. Outreach

The work order was formally approved by FHWA on October 21, 1996.

**Activities:** This work order has been completed.

## **Work Order #16 (Wisconsin):**

- Proj. 6.1 CVO Working Group Fed. Funds = \$75,000

The work order was formally approved by FHWA on August 29, 1996.

**Activities:** The work order has been completed.

## **Work Order #17 (Indiana):**

- Proj. 7.1.2 T.S. Integration - Indiana Study Fed. Funds = \$64,000

**Activities:** The work order has been completed.

## **Work Order #19B (Wisconsin):**

- Proj. 7.2.3 Integrated Corridor Operations - WI Operational Test Fed. Funds = \$181,000 \*

\* Funds requested in this work order will be combined with a portion of the funds included in Work Order #19. This work order was formally approved by FHWA on October 21, 1996.

**Activities:** Project complete. Remaining funds will be utilized for further evaluation.

## **Work Order #20 (Wisconsin):**

- Proj. 10.0 Public/Private Partnerships Fed. Funds = \$100,000
- CVO Traveler Information System

The work order has been formally approved by FHWA on March 3, 1999.

**Activities:** This work order has been completed.

## **Work Order #21 (Wisconsin):**

- Proj. 10.3 Private/Public Partnership Outreach Fed. Funds = \$50,000

The work order was formally approved by FHWA on December 7, 1995.

**Activities:** The work order has been completed.

## **Work Order #22 (Illinois):**

- Proj. 2.4.1 Pilot of On-Board Vehicle Warning Sys. at RR Xings Fed. Funds = \$412,042

The work order was formally approved by FHWA on July 26, 1996.

**Activities:** This work order has been completed.

# WORK ORDERS COMPLETED

## **Work Order #24A (Wisconsin):**

GCM Corridor Management Services	
- Proj. 3.1 Coordinated Incident Management Program	Fed. Funds = \$60,000
- Proj. 4.0 GCM Technical and Planning Support	Fed. Funds = \$600,000
- 4.1 Committee and Work Group Support	
- 4.2 Technical Support	
- 4.3 Outreach and Education	
- Proj. 6.1 CVO Work Group	Fed. Funds = \$65,000
- Proj. 10.3 Private/Public Partnership Outreach	Fed. Funds = <u>\$80,000</u>
	<b>\$805,000</b>

The work order was formally approved by FHWA on July 14, 1997.

**Activities:** The work order has been completed.

## **Work Order #24B (Wisconsin):**

GCM Corridor Management Services	Fed. Funds = \$90,000 **
- Proj. 3.1 Coordinated Incident Management Program	
- Proj. 4.0 GCM Technical and Planning Support	
- 4.1 Committee and Work Group Support	
- 4.2 Technical Support	
- 4.3 Outreach and Education	
- Proj. 6.1 CVO Work Group	

\*\* Funding for this work order include non-GCM Federal funds from Wisconsin and state funds from Illinois and Indiana. The work order was formally approved by FHWA on March 3, 1999.

**Activities:** The work order has been completed.

## **Work Order #24C (Illinois):**

GCM Corridor Management Services	Fed. Funds = \$0 **
- Proj. 3.1 Coordinated Incident Management Program	
- Proj. 4.0 GCM Technical and Planning Support	
- 4.1 Committee and Work Group Support	
- 4.2 Technical Support	
- 4.3 Outreach and Education	
- Proj. 6.1 CVO Work Group	
- Corridor Program Plan (CPP) Update	

\*\* Funding for this work order include non-GCM Federal funds from Wisconsin and Indiana and state funds from Indiana and Wisconsin. The management services contract was executed on September 12, 2000.

**Activities:** URS management services efforts continue funded through other state and federal funds.

## **Work Order #26 (Illinois):**

- Proj. 5.3.3 Upgrade Freeway Traffic Management System	Fed. Funds = \$2,745,994
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The work order was formally approved by FHWA at the end of October 1997.

**Activities:** This work order has been completed.

# WORK ORDERS COMPLETED

## **Work Order #28A (Wisconsin):**

- Proj. 3.4.4 Wisconsin Incident Management
- SE Wisconsin Deployment – Gateway Patrols

**Fed. Funds = \$114,400**

The work order was formally approved by FHWA in December 1998.

**Activities:** The work order has been completed.

## **Work Order #29 (Wisconsin):**

- Proj. 3.4.4 Wisconsin Incident Management
- SE Wisconsin Deployment – Milwaukee Co. Sheriff Aerial Surveillance

**Fed. Funds = \$400,000**

The work order was formally approved by FHWA in December 1998.

**Activities:** The work order has been completed.

## **Work Order #31 (Illinois):**

- Proj. 1.5 Gateway Transportation Information System

**Fed. Funds = \$470,000**

The IDOT/FHWA work order was executed on October 7, 1998.

**Activities:** This work order has been completed.