

COPS MORE98 Grant Compliance Report

Federal Grant: 1999CLWX0239; Recipient ORI: MI096ZZ



September 30, 2010

CLEMIS



C O U N T Y M I C H I G A N

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September 30, 2010

Ms. Brittany Baldwin
U.S. Department of Justice
Office of Community Oriented Policing Services - Discretionary Branch
1100 Vermont Avenue, N.W.
Washington, D.C. 20530

RE: COPS MORE98 Grant Redeployment Compliance Report
(Federal Grant: 1999CLWX0239; Recipient ORI: MI096ZZ)

Dear Ms. Baldwin:

The COPS MORE98 Grant Redeployment Compliance Report (Report) dated September 30, 2010 is submitted to the U.S. Department of Justice (DOJ) in demonstration of the redeployed law enforcement officers arising from the use of the above grant proceeds. The above grant required that Oakland County and its member law enforcement agencies redeploy 685.3 law enforcement officers into community-oriented policing activities. As noted in the Report, Oakland County was successful in redeploying 2,398.3 full-time equivalent officers into community-oriented policing activities.

In 1999, the DOJ approved the COPS MORE98 grant in the amount of \$17.1 million representing approximately 75% of the program cost to upgrade a regional law enforcement computer system and related applications. The local match for Oakland County was approximately \$5.7 million. During the course of the project, Oakland County taxpayers funded not only the minimum required local match, but also provided approximately \$76 million – almost all of which arose solely from Oakland County resources in support of the regional law enforcement system called Courts and Law Enforcement Management Information System (or, CLEMIS). The federal ‘seed’ funds enabled the computer systems, hardware and programs discussed in this Report to become a reality in fighting crime in southeastern Michigan.

Almost immediately upon the receipt of the grant award, Oakland County was inundated with calls from law enforcement agencies from outside the County’s borders (including federal agencies) who wanted to join CLEMIS and enjoy the benefits of the expanded law enforcement system enabled by the federal government. Upon inquiry of the DOJ and its approval through a grant amendment, Oakland County admitted new CLEMIS members in order that they might enjoy the operating efficiencies and improvements in fighting crime through the system funded by the federal government and Oakland County taxpayers.

Today, there are 100 law enforcement agencies that supply and use records management and other data and over 230 public safety agencies in southeastern Michigan that rely on CLEMIS on a 24 x 7 basis. The added law enforcement agencies have permitted Oakland County to increase the redeployed law enforcement officers well beyond the original commitments as cited in the Report and have impacts on the quality of life issues that citizens demand.

Oakland County wants to take the opportunity to thank our Representatives Sander Levin and Joseph Knollenberg who worked to help make the regional law enforcement agency, called CLEMIS, a reality. Their support at a national level was critical to the success of CLEMIS.

Oakland County has more than tripled its original redeployment commitment, provided substantial additional funds beyond the minimum local match and has developed a law enforcement system with federal and local funds not contemplated in the original application. This federal grant has enabled this new system to become a reality.

Oakland County stands ready to assist the DOJ in any questions that might arise in connection with the Report. Should you have any questions, please do not hesitate to call.

Very truly yours,

A handwritten signature in black ink that reads "Robert J. Daddow". The signature is written in a cursive, flowing style.

Robert J. Daddow,
Deputy County Executive

Copy to: Hon. Sander Levin
L. Brooks Patterson, Oakland County Executive
Michael Bouchard, Oakland County Sheriff

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Overview

Purpose

The Oakland County Law Enforcement Consortium (OLEC) prepared this COPS MORE98 Grant Compliance Report to provide the COPS Office with a description of the massive project that was undertaken to renew the law enforcement technology in Oakland County. This purpose is to document how OLEC is in compliance with the timesaving requirements of the grant. In this report, OLEC is also called CLEMIS (Courts and Law Enforcement Management Information System), the name by which the organization is known locally.

Oakland County and its law enforcement agencies committed to redeploying at least 681.2 (adjusted from 685.3 based on the unused of unused grant funds) law enforcement full-time equivalent officers as required under the COPS MORE98 Grant. Redeployed savings were to be directed to increased community presence and community oriented programs. This report demonstrates Oakland County's compliance with the requirements of the COPS MORE98 grant.

Historical Perspective

Oakland County, Michigan is home to a consortium of law enforcement and public safety agencies that, we believe, is unique in the country. This consortium, the Oakland County Law Enforcement Consortium (OLEC) (also called CLEMIS), now consists of more than 100 law enforcement agencies located in Oakland County and the adjacent counties of Macomb, Washtenaw and Wayne. What makes this organization special is the level of cooperation and coordination that has evolved and strengthened for more than four decades.

CLEMIS had its modest beginnings in 1967 when Bloomfield Township worked with the Oakland County Department of Computer Services to develop a simple reporting system for UCR reporting as well as management and administrative reports. The original system was based on keypunched police reports that were submitted as batches to the mainframe computer that then produced printed reports for distribution.

In the 1960s, computer technology was expensive to own and operate and programming was considered an esoteric art. The County Executive held a firm belief that County government must play a significant role in "performing tasks that small communities cannot do themselves, either because they can't afford to do them or because they don't have the necessary technical expertise." Thus was established the vision that expanded and matured for the past four decades.

It the late 1960s and 1970s, a Criminal Justice Committee (appointed by the Oakland County Executive in 1969) studied and made recommendations regarding requirements for an Oakland County Criminal Justice System. Based upon this group's recommendation, a grant was processed for federal funding through the Law Enforcement Assistance Administration (LEAA). With the approval of the grant, Oakland County Data Processing undertook development of the requirements analysis for the new law enforcement system with expanded capabilities, albeit still batch processed, that was the genesis of CLEMIS.

In 1972, the County Executive created the CLEMIS Committee to provide a mechanism by which the County and the participating agencies could most effectively provide guidance for law-enforcement technology in a cooperative manner. One important factor that contributed to the technical and operational success of these early initiatives was the unprecedented degree of cooperation, standardization, and coordination, which continue to be the hallmark CLEMIS today. By 1975, the number of agencies involved had increased to twelve, or about one additional agency per year.

The second generation of CLEMIS, which was based on on-line terminal communications, took OLEC beyond a simple management reporting and statistical system to a law-enforcement tool of tactical importance with the immediacy of information now available to police officers. It became possible for the participating agencies to share address and contact information instantly among them through a terminal network. This concept of data sharing revolutionized the impact that CLEMIS had upon these agencies and formally established the cornerstone for all subsequent development. The importance of shared or regional data was so evident and profound that by the end of 1980 the number of participating agencies had more than tripled to thirty-nine police agencies and ten non-law enforcement agencies; a growth of nearly eight agencies per year.

As the strategic and tactical importance of shared CLEMIS data increased, it became apparent to County information technology staff that the 1960s technology on which the core CLEMIS system was based had reached its design and technical limitations. Using what was then state-of-the-art database technology, the third generation of CLEMIS was designed and developed to collect more information than ever; this was implemented in early 1982. Late in the 1980s, the CLEMIS Committee developed a new strategic plan to help support the new public safety answering points (PSAPs), or dispatch centers, created with the installation of E 9-1-1 telephone equipment. Out of this plan, the CLEMIS system was further enhanced with development of a computer-aided dispatch system and a countywide mobile data terminal (MDT) network. By the end of 1988, the new CAD was being installed and 370 MDTs had been deployed. In early 1990's, CLEMIS programmers rewrote major sections of the law-enforcement reporting system to comply with Michigan MICR (NIBRS) reporting requirements.

By the early 1990s, the extant version of the CLEMIS system was approximately a decade old. The mainframe technology, on which the system was built, although once state-of-the-art, had become obsolete as advancement from one generation of technology to the next occurred with increasing rapidity. The mainframe data was becoming more difficult to access on a timely and easy basis. Moreover, the first half of the decade was a time of unrest in the CLEMIS "community" as agencies became aware of new information technology at the same time that scarce technical resources were occupied with updating the aging mainframe system for NIBRS reporting.

By the mid-1990s, despite the long-term coordination and partnering between the Consortium agencies, the entirety of CLEMIS was in significant peril, and with it,

the continued viability of the OLEC. The hardware and software infrastructure of CLEMIS was obsolete and inadequate for current use and needed further development. The heart of the mobile data system, which was installed in the late 1980s, operated at only 4.8 KBPS. Ad hoc reporting and use of data in CLEMIS was proving to be too untimely and restrictive in the mainframe environment compared to the new server-based information technology then available. By 1996, the County became increasingly concerned that dissatisfaction with the CLEMIS systems and services could threaten the continued viability of the OLEC unless bold steps were taken.

In 1996, three events took place that helped to refocus law enforcement agencies' notions of cooperation and data sharing and galvanized OLEC to take aggressive steps to renew their law enforcement technology. First, the County engaged an independent technology and consulting services firm to review all aspects of CLEMIS applications, services, and organization and to make recommendations on the future direction of CLEMIS. The second was the passage of the Telecommunications Act of 1996 that federally mandated technology to identify the location of wireless E 9-1-1 callers. Few PSAPs had equipment current enough to comply with Phase I of the wireless E 9-1-1 requirements; only four agencies, that had updated their equipment, could comply with Phase II. The last was an event that occurred on November 14, 1996, which brought the lack of countywide radio interoperability into sharp focus. On that day, a gunman invaded the Ford Assembly Plant in Wixom, killing a plant supervisor and wounding two Oakland County Deputies before escaping to hide on the Plant grounds near Interstate 96.

Coordination of the officers from the twelve agencies that responded to the Ford Wixom Plant event and the subsequent search was complicated by the fact that the responding agencies used three different radio bands and not all agencies using the same band had channels in common. The Oakland County Sheriff's Department handed out 800 MHz portable radios and paired up officers from the various jurisdictions so that at least one could be in communication with the on-scene commander.

Because of these various events, ideas and plans came together in 1997 and 1998 and from which a vision for a new CLEMIS emerged. There was also a realization that advances in technology had resulted in a convergence of communication and information technology. The current CLEMIS public safety technology was obsolete. Any hope of developing the next generation of CLEMIS would require bold and sweeping changes to accomplish.

The Next Generation of CLEMIS (CLEMIS NG)

In 1997, the vision for the next generation of CLEMIS began to evolve technically and organizationally. Organizationally, CLEMIS assumed responsibility for the County Radio Shop, because of the convergence of wireless voice and data communications and to consolidate the County's key public safety services under one organization. Also, the County, with OLEC, planned a massive project to renew its aging technology and to create a comprehensive, state-of-the-art integrated system. OLEC planned to replace or update virtually all of the CLEMIS technology currently deployed.

These improvements were categorized as smaller, more manageable subprojects as briefly described below.

Infrastructure

Before the technology upgrade, data communications between the County's Information Technology Department (IT) and the cities, villages and townships (CVTs) in the county had evolved along with various applications since the mid-1970s. Consequently, data communications between the County and the CVTs depended upon disparate communications lines and other means of connecting individual functions for specific purposes. Wireless data communication was based upon an aging 420 MHz private radio system, with five towers located around the county; one of which had been permanently disabled due to a lack of replacement parts. The use of video in the county to process warrants had enjoyed some success but had been limited by the bandwidth capabilities of the separate, dedicated ISDN lines used for communications.

- **OAKNet Wide Area Network**
This is a high-speed fiber optic-based communications network designed to accommodate wired voice, video and data communications between the various County facilities, the CVTs, and public safety agencies in the county. It replaced all of the individual, disparate point-to-point and multi-point analog circuits that OLEC used with the legacy systems. Only a portion of the COPS MORE98 Grant assisted with the build-out of the OakNET wide area network.
- **Wireless Mobile Data Communications**
This is a replacement for the aging 420 MHz private radio system currently used for wireless data communications. The new approach uses public wireless data communications. The provider and CLEMIS have implemented safeguards to insure the integrity of the system for public safety use. The old wireless data network operated at 4.8KBPS, the new network operates at speeds up to 1500KBPS, although 1000KBPS is more typical. The wireless mobile data network has been constructed using fees charged on mobile and land-line telephone service.

Dispatching

The dispatching subproject consists of components that provide the applications and hardware for CLEMIS agencies to manage their public safety resources in an efficient and timely manner and is fully compliant with both phases of the federal wireless E9-1-1 mandates. The GIS component provides unprecedented capabilities to make the dispatcher and respondent aware of known hazards with radius searches around the incident location, premise information, routing recommendations, and duplicate call identification.

- **Call-Taking Equipment**
To support the new CLEMIS computer-aided dispatch (CAD) and to permit compliance with the requirements of the Telecommunications Act of 1996, the County used General Fund funds to replace all of call-taking equipment in public safety answering points (PSAPs) within the County. All of the replacement equipment also included interfaces to automatically send ANI/ALI information to the new CLEMIS CAD. No COPS MORE98 Grant funds were used in the equipment upgrade necessary to comply with the federal requirements under the 1996 Telecommunications Act.
- **Computer-Aided Dispatch**
A new, robust CAD automatically interfaces with the new E 9-1-1 call-taking equipment and provides timely and pertinent information from local, state and federal police databases to dispatchers. This map-based application displays the location of an incident on the computer map and with AVL (Automatic Vehicle Location), allow the dispatchers to track the location of police and public safety vehicles on their screens, dramatically improving situational awareness. The new CAD is fully compliant with wireless E 9-1-1 Phase I and Phase II location requirements. The new CAD system was funded with COPS MORE98 Grant funds.
- **Geographic Information System (GIS) Road Centerline Database**
This database provides CAD with the necessary GIS data for its tactical maps used for dispatching. Public safety agencies are also using GIS technology to enhance crime analysis functions. Only a small portion of the County's GIS launch was funded using the COPS MORE98 Grant.

Mobile Computing and Field-based Reporting (FBR)

The mobile subproject is a key, strategic component to increasing officer presence in the community, all of which was funded by the COPS MORE98 Grant. While the new CLEMIS CAD and Law Enforcement Management System (LRMS) systems provide greater data collection and sharing capabilities along with powerful new tools, little is accomplished for the patrol officer if it is not available to them in the field. The new wireless mobile data infrastructure described above coupled with mobile computing and Field-Based Reporting (FBR) brings the new technology to the patrol officers. The new technology provides officers various tools to put information at their fingertips quickly and easily, for increased productivity and timesaving by eliminating redundant entry, and to permit administrative tasks to be performed in the field rather than returning to the station, enhances officer safety and officer productivity.

- **Mobile Data Computers (MDC)**
Police vehicles are equipped with a new, robust mobile data computer (MDC) built to withstand the rigors of police work. These computers receive dispatch data, including maps and textual directions, through the new wireless mobile data network from the new CLEMIS systems. The MDCs also host client software for an integrated LRMS Field-Based Reporting (FBR) that largely eliminates paper reports and redundant manual entry. Workflow management permits an officer to route various

electronic reports/forms to their supervisor electronically who, after review, can electronically return the report to the officer for correction or can forward it on to the next step in the process as defined by departmental policies. Electronic submission to workflow queues for the patrol officer and supervisor is essential to eliminate trips to the station for an officer to drop off paperwork that can be electronically submitted from the field.

- **Mobile Enabling Kits**
Mobile enabling kits consists of the necessary materials and accessories to install an MDC in a public safety vehicle.
- **In-Vehicle Printers**
These printers are used for tickets, crash and other normal reports for administrative functions of a police officer.
- **Automatic Vehicle Locations (AVL)**
An in-car GPS satellite receiver attached to the wireless modem transmits the unit's X:Y coordinate location to CAD that display the units position on the dispatcher's map display and uses the location of available units as one of its parameters for making unit recommendations. The officer can also see their vehicle on the in-car map along with dispatch/call for service locations.

CLEMIS-Upgrade – Records Management

This subproject provides public safety agencies with comprehensive record management capabilities, a high degree of integration, data warehousing, and an extensive set of tools for investigation and administrative reporting. Here, too, GIS tools provide geographic-based reporting and analysis to supplement the standard tabular reporting. With the exception Livescan Fingerprint units noted, these projects were funded by the COPS MORE98 Grant.

- **Law Enforcement Records Management System (LRMS)**
The new LRMS manages the recording, indexing and tracking of criminal and non-criminal related incidents administered by police departments. Far more information is collected than ever before, and is indexed and cross-referenced in ways previously unavailable. Reports are stored electronically, accelerating the retrieval and routing process and eliminating endless paper trails. The workflow management component will assist officers to manage their workload and to route reports as required by departmental policies.
- **Criminal Justice Database (CJDB)**
Where old CLEMIS used its LRMS master files, fitting external non-CLEMIS LRMS users into this framework, the new CLEMIS LRMS uses a separate, more flexible database that captures LRMS data as well as other data as needs change. The CJDB servers use powerful web-based search engines to search the regional database. Intelligent agents are available that can watch for specific data over time. Sophisticated

business intelligence tools are also available. CLEMIS technical staff have prepared many standard reports and preprocessed data for use by the agencies.

- **Crime Mapping**
This system moves geographic analysis from static pin maps to “virtual” GIS crime mapping to help law enforcement agencies develop a better understanding of where and when crimes occur and how to deploy resource to improve efforts to fight crime. Oakland County has developed a crime analysis solution that closely integrates key components of CLEMIS, including OAKNet, the Law Records Management System and GIS. Previously, pin maps may have been manually prepared but only in connection with specific high-visibility crimes given that they are difficult to produce and labor-intensive to update. The new GIS tools allow various geographic maps to be created to assist with every day activities such as briefings and patrol coverage adjustments. Because most of these maps previously prepared manually were created on-demand by agencies and now are prepared using the crime-mapping tools, no time savings were tracked or included in this report. As a practical matter, pin-maps were used rarely; whereas, the GIS crime maps are easily created.
- **Live scan Fingerprint**
While not funded by the COPS MORE98 grant, live scan fingerprints is considered an essential bit of technology that complements mug shot data. The technology upgrade included a project where participating law enforcement agencies are able to “seamlessly” transmit fingerprint data and images directly to the Michigan State Police Central Records unit for identification, and criminal record building without the need to produce a “hard” fingerprint card. Additionally, a second submission and query is launched by the FBI’s IAFIS fingerprint record system. Any out state suspect information obtained from this query will also be returned to the requesting agency.
- **Mug shot**
The COPS Office did not initially fund the County for an expansion of a mug shot system in the County; however, a grant amendment was subsequently approved to allow for the expansion of this system. The new expanded system uses OAKNet instead of the expensive, hard-to-manage point-to-point network it replaced. With the expansion of the existing mug shot system to all police departments, local servers were no longer needed which reduced technical complexities and reduces operational and support costs. All records are now stored on central servers that are routinely supported by County IT.

Video Arraignment

The County also received a grant modification in the COPS MORE98 program to allow for the necessary improvements for a video arraignment system to be installed in the local law enforcement agencies. This system also used OAKNet, which not only allows an agency holding a prisoner to connect to a court for arraignment, is also permits the court to conduct an

arraignment with the charging agency while the prisoner is being held by a third participating agency. The latter arrangement was impossible with the old warrant system using point-to-point analog lines. Video arraignment allows for reductions in officer time used to transport offenders to and from jail and to the District Courts for arraignment.

CLEMIS Support

An important part of CLEMIS is the support services that are provided to the participating agencies. Below is an example of the services provided as part of the CLEMIS participation fee:

- Classroom Training tailored for various audiences and topics
- Application Help Desk (5 days)
- Technical support (24 hrs-7 days)
- Automatic submission and liaison with the State for MICR reporting
- System administration for system-wide configurations such as global tables, security, and departmental setup
- Ongoing enhancements and maintenance at no charge to participants
- Project management
- Hardware and network support

CLEMIS Advisory Committee

This CLEMIS Advisory Committee provides direction and sets policy in the use and operation of CLEMIS and CLEMIS services. The CLEMIS organization is modeled after the Michigan State Police LEIN organization whose philosophy, concept, and operational principles are based upon the recommendations of the LEIN Policy Council. The LEIN Policy Council was established by Act No. 163 of the Public Acts of 1974, and is comprised of top administrators from local and state criminal justice agencies. The CLEMIS Policy Committee was officially established by County Executive Order in 1976. The CLEMIS Policy Committee was renamed to the CLEMIS Advisory Committee under the direction of a new County Executive in 1994.

Voting Members

Voting members consists of:

- Nine local law enforcement agency heads (elected by the directors, police chiefs and sheriffs of the member agencies)
- Oakland County Executive
- Oakland County Sheriff
- Oakland County Prosecutor
- Sixth Circuit Court Administrator
- Two Oakland County District Court Administrators
- One representative for each of the following: Macomb County, Washtenaw County, Wayne County, and the Oakland County Fire Chiefs.

Sub-Committees

The Chairpersons of the various sub-committees are appointed by the Advisory Committee Chairperson. There are six sub-committees as follows:

- **Bylaws Committee**
Considers and makes recommendations concerning any modification to the CLEMIS Bylaws.
- **Consortium Committee**
This Committee consists of a combination of agency heads and high ranking officers. This is the second most active working committee, and provides a means for identifying member technological needs and assists the CLEMIS project team in coordinating vendor related activity.
- **PSAP Coordinators Committee**
Researches and makes recommendations regarding countywide E 9-1-1 issues such as equipment, training, network standards, and the implementation of Wireless 9-1-1 technology.
- **Security and Privacy Committee**
Meets, as needed, to review and act on security issues, usually concerning prospective participants.
- **Strategic Planning Committee**
Develops and recommends the CLEMIS participation fee structure. Reviews prior year's accomplishments, upcoming year's planned activities and recommends long-range plans. This Committee membership consists of the Executive Committee of the Oakland County Police Chiefs Association, Director of Department of Information Technology, Advisory Committee Chairperson, and CLEMIS Manager.
- **Applications and Development Committee**
Works with the CLEMIS project team to identify law enforcement technology. Membership consists primarily of Records Supervisors and/or sworn personnel who supervise Records.
- **User and Terminal Committee**
Meets as-needed to review and make recommendations regarding requests for new membership in CLEMIS and additional equipment.
- **Radio Oversight Committee**
Meets on an as-needed basis and is comprised of police, fire emergency medical and county representation. The Committee establishes radio policies and directs operation of the County radio system.

Overview of CLEMIS Expansion Beyond Oakland County

In 1998, OLEC membership was forty-five agencies in southeast Michigan, all but two of which were located with the borders of Oakland County. As the new CLEMIS technology upgrade progressed, more and more agencies in adjacent counties expressed an interest in joining the consortium. From the forty-five agencies with approximately 2,500 sworn officers in 1998; OLEC (CLEMIS) has grown to nearly 100 agencies with more than 6,000 officers in five counties. To our knowledge, there is no other public safety consortium like CLEMIS in the nation, a

true testament to the success of the technology upgrade which has exceeded all expectations leveraged through the COPS MORE98 Grant.

COPS MORE98 Grant

Because so much of the then current CLEMIS technology was obsolete such that it threatened the continued viability of CLEMIS as an organization, Oakland County and CLEMIS realized that bold steps were required. When Oakland County and OLEC began planning to renew its obsolete public safety technology, funding for such a massive project was a major concern. OLEC determined that an essential success factor for the renewal project was to plan and develop a comprehensive, integrated replacement that could be implemented over a relatively short span of time.

While the County recognized the need for replacing the existing CLEMIS system and in its need to expand core functionality, funding was only present to support a portion of the known user needs. The COPS MORE98 program allowed the County to use the funds it had tentatively set aside for a portion of the CLEMIS NG system funding towards a local match. This leveraging of the County dollars on behalf of the cities, villages and townships and County Sheriff's Department enabled the organization to reach beyond its expectations. The COPS MORE98 grant has provided the genesis of a regional law enforcement information network that could not have been accomplished independent of the funding provided through the federal government.

In May of 1998, The Oakland County Law Enforcement Consortium (OLEC) submitted a COPS MORE98 Grant Application by Oakland County. OLEC is a firmly established, four decade old consortium of nearly 100 law enforcement agencies today. The legacy CLEMIS application software supported regional sharing of information among the agencies, was obsolete and being abandoned by several agencies. The future of CLEMIS was dependent on migration toward uniformity, standardization and open systems. The application technology funded by the COPS MORE98 grant not only replaced existing application system's functionality, but also vastly expanded technology, which is directly accessible to the end user in the field, the sworn officer.

Per requirements of the grant application, the technology requested in the application was been arranged into two groups:

ITEM #1

- CLEMIS Services Upgrade
Law Enforcement Records Management System (LRMS) / Computer-Aided Dispatch (CAD) - Migration of existing information onto a Windows server platforms and CAD and LRMS for the access of information through a County intranet.
- OAKNet Wide Area Network
For the distribution of information throughout the member CLEMIS agencies at the Police/Public Safety Departments.

- **Crime Analysis Software**
To allow the sworn personnel to conduct basic and complex crime analysis, with access to a countywide database of information both in their cars and at their police/public safety departments.
- **GIS / Road Centerline File Development**
For the base structure of the CAD and LRMS to support all other reliant functions.
- **Mobile Data Computers**
Equipment to allow for the automated report writing, data retrieval and input processes, pre-booking, wants and warrants checks, access to and from the CAD and LRMS systems as well as access to State and National informational systems, and other data access.
- **Mobile Enabling Kits**
Wireless data equipment and services to allow each mobile data computer to transmit and receive data from the field.
- **In-Vehicle Printers**
To allow patrol officers to print documentation (warrants, reports, images) in the field.
- **CAD Workstations**
To allow for dispatch on the new CLEMIS CAD and LRMS systems.
- **Desktop computers**
To allow sworn personnel in Investigations and Administrations assignments access to all automated information and technology.
- **Printers**
To allow sworn personnel in Investigations and Administration assignments the ability to have a hard copy of the accessible automated information and technology.

ITEM #2

- **Jail Management System**
To allow for the automated classification, management and coordination of inmates; and to allow for pre-booking of arrestees by patrol, investigative and correctional sworn personnel. (Note: The County launched a county-funded replacement of its obsolete jail management system which will soon be coming on-line. No COPS MORE98 Grant funding was used.)
- **Automated Fingerprinting ID System Upgrade**
This upgrade allowed for the automation of the fingerprinting process with the CAD and LRMS and for full integration into the CLEMIS systems and State and National databases. This added many new or upgraded workstations to the interface between the Mug shot System and the Live scan System.

- .
 - **Live scan Fingerprint Archive Database**
All fingerprint records from agencies reside on this database and are retrievable by agencies with Livescan workstations.
- .
 - **Live scan Work Stations**
These will allow for the input and retrieval of fingerprint information from all CLEMIS agencies.
- .
 - **Mug shot Regional Servers Upgrade**
All mug shot records from agencies reside on this database and are retrievable by member agencies with Mug shot workstations.
 - **Mug shot Capture/Retrieve Stations**
These allow for the input and retrieval of mug shot information from all CLEMIS agencies.

Initially, the COPS Office funded only the Item #1 content; Item #2 was rejected in its entirety. During fiscal 2000, the COPS Office approved a grant amendment for the inclusion of the mug shot and video arraignment components to the original grant. The live scan fingerprint effort is funded through a State of Michigan Byrne Grant and local county resources. The jail management system was funded with a bond through the Building Authority; debt service will be paid from the Oakland County General Fund.

Timesaving

Overview

The purpose of the COPS MORE98 Grant is “Making Officer Redeployment Effective”, that is, to deploy technology that permits an officer to have greater presence and involvement in the community. Since an officer’s primary role is law enforcement, it is necessary to increase his/her effectiveness through technology to realize timesaving that, in turn, increases his/her presence in the community.

To do this, the Oakland County Law Enforcement Consortium (OLEC which is known locally as **CLEMIS**), developed a strategy to deploy technology that not only saved time for typical law enforcement-related activities but also reduced or eliminated the need for an officer to return to the station for record-keeping activities during their shift.

Two key functions affect nearly all of an officer’s efforts; dispatch to direct an officer to a call for service and records management for the record-keeping required of the officer including investigative tools. In order to provide these functions to an officer in the timeliest and most effective manner it is necessary to deploy technology that supports the officer in the field to the greatest extent possible. To accomplish this, it is not only necessary to have easy-to-use and highly effective a Computer-Aided Dispatch (CAD) and a Law Enforcement Records Management System (LRMS) but to provide the officer with fast, easy-to-use access to these applications in the field. For this a robust wireless data network and mobile data computers (MDCs) are required.

When considering the technology to deploy, CLEMIS primarily focused on efficiency and ease-of-use for the patrol officer. This included the technology deployed in the field for the officer’s use but also the back-end technology at the County’s data center that supported the mobile applications. To this end CLEMIS used COPS MORE98 Grant funds to acquire/develop these core systems:

- A new, more robust LRMS including adjunct modules, such as evidence and property, citations, crash reports and impounds.
- A new, far more advanced CAD that fully complies with federal Phase 1 and Phase 2 requirements for wireless E 9-1-1 location identification as well as providing other features such as automatic vehicle location that enhance officer safety and provide dispatchers with power tools to more effectively manage responses to calls for service.
- A state-of-art high-speed wireless mobile data network coupled to MDCs with GPS AVL to provide a robust platform in the field so that officers gain maximum benefit from the new LRMS and CAD and enhances officer safety.

Other technology improvements, separately funded by the County, were also needed to support the core systems and consist of:

- A high-speed, high-availability digital network to connect all of the CLEMIS member agencies to the CLEMIS central site and the servers and storage located there. This network connects all of the CLEMIS members and City/Village/ Township (CVT) offices using a fault tolerant fiber-optic

backbone and T1 lines (at a minimum) to connect to offices not directly on the backbone. This network is called OakNET; it was partially funded with COPS MORE98 Grant funds.

- Oakland County replaced all of the obsolete call-taking equipment at the local PSAPs with modern equipment that was fully compliant with Phase 1 and Phase 2 federal wireless E 9-1-1 location requirements. Caller information is interfaced to the new CAD using OakNET.
- To fully take advantage of the wireless E 9-1-1 location information provided by the telephone company through the interface to the call-taking equipment it is necessary for plot the location of the caller on a map. The new CAD had this capability but to use it Oakland County undertook a massive project to digitize street centerlines and other geographic features in the county much of which was funded by local county resources.

Methodology for Calculating Timesaving

The new technology implemented during this project benefits virtually every facet of a law enforcement agency's operation. Compliance with the COPS MORE98 Grant is based on timesaving for patrol officers and not other personnel such as dispatchers, records clerks, and command and administrative. While the timesaving presented for grant compliance in the following sections of this report are based only on patrol officers, we believe that it is important to broadly highlight some other areas below where the new systems provide significant benefits. Given the current financial climate in the country, and particularly in the State of Michigan, it is important to recognize other benefits that indirectly affect the community by making the back-office activities that support the patrol officer more efficient.

The region has been plagued by an implosion of the automotive industry causing massive unemployment. For years Michigan led the nation in unemployment. Property values have plummeted with the national real estate problems and local unemployment. Property values are the basis for the principal local revenues through property taxed.

With the significant decline in property tax revenues since 2007, local governments have been forced to lay-off law enforcement and public safety officers in unprecedented numbers. While the COPS MORE98 Grant has no provision or requirement to track civilian law enforcement employees' time savings, had they not occurred through the new CLEMIS equipment and software funded by the COPS MORE98 Grant, the law enforcement officer reductions surely would have been deeper and disrupted services to the public even further.

In Administration

- Routing of selected critical reports previously done manually but now can be routed via workflow to either general queues or specific queues or any combination. Any authorized user, such as the chief, commander, or duty supervisor, can easily view online reports based on selection criteria such as by shift or day.
- Supervisors, such as patrol supervisors, detective supervisors and bureau supervisors, no longer have to review paperwork and then distribute the

various copies as needed. Review is done online in targeted workflow queues and then approved and routed electronically. Nearly all agencies have discontinued paper reports eliminating the need to manually file and manage paper records. Some agencies have been able to free up significant floor space by phasing out file cabinets.

- The new CLEMIS LRMS system includes all of the major reports that an office could normally produce. For administrative purposes it is a simple manner to prepare online reports for officer performance, shift statistics, by time periods.
- The new CLEMIS system maps addresses to geographic locations for analysis for crime mapping. When coupled with time and date information, law enforcement resources can be targeted where and when needed to maximize the benefit in stopping crime.

In the Records Bureau,

- Requests for public information by citizens, news organization and others can be fulfilled in a matter of minutes using CLEMIS search. Information can be searched, returned, redacted and printed while the requestor waits at the counter. Previously multiple file cabinets might have to be manually searched, records copied, redacted and originals re-filed which could take 30 minutes or more.

In Dispatch

- Now have the ability to run comprehensive searches to assist patrol officers, if needed. Dispatch locations are mapped upon entry and displayed on a map along with the location of patrol cars which are tracked by automatic vehicle location (AVL). This provides situational awareness for the dispatcher when selecting units to dispatch and contributes considerable to officer safety. Dispatch information transmitted to an officer includes textual information as well as the location of the incident on a map in the car.

In the Detective Bureau

- Investigative tools offered to CLEMIS members called "Cool Tools" provides comprehensive searches of data contained on incidents, crash reports, citations, property reports, impound forms, field interviews, pawn, fire arms provides with a single search. Powerful search criteria permits selection/filtering by partial or full names and addresses, physical attributes, crime classes, time periods and many other parameters. Even narratives can be searched using key words or phrases.

Summary of Timesaving

The amount of the COPS-MORE98 Grant award was based on a timesaving of 681.3 FTEs (net of FTEs arising from the \$106,000 in lapsed funds at close-out). CLEMIS selected areas of the new technology where the greatest timesaving was realized as well as being relatively easy document with actual volume statistics supported by user surveys.

Technology Area	FTE Savings
CAD/Activity Logs	362.8
Citations	27.7
Crash	15.3
MDC Infrastructure	861.7
Law Records Management	1,070.9
Video Arraignment	59.9
Total Annual FTE Savings	2,398.3

Detailed Timesaving Narratives and Calculations

CAD/Activity Logs - Overview

In 1998/99 there were thirty-one Public Safety Answering Points (PSAPs) in OLEC. The call-taking equipment for nearly all PSAPs was obsolete, and increasingly difficult and costly to maintain. This outdated equipment did not conform to federal mandates in the Telecommunications Act of 1996 that involved the identification of the location of callers for wireless / cellular telephone communications. Most did not even have hardware options available to permit conformance. Only four PSAPs of thirty-one (one PSAP had recently consolidated into the Sheriff's dispatch center) located within Oakland County could afford to update their E 9-1-1 call taking equipment to be compliant with federal regulations.

Only nineteen of the thirty-four PSAPs used the legacy Mainframe Computer-Aided Dispatch (CAD) system. Of these, only four had the hardware interface option that automatically transferred the caller's ANI/ALI information to CAD over individual dedicated 56Kb telephone lines. Additional or replacement interface cards are unobtainable for the obsolete equipment. For the other fifteen PSAPs, call takers manually entered caller information into the CAD System. Dispatching for the remaining twelve agencies was completely a manual effort.

The legacy CAD System was developed in-house in 1988 and was fairly sophisticated for its time. However, it was incapable of supporting the requirements of federal mandates for wireless E 9-1-1 location. The CAD terminals were character based displays which were unable to display wireless caller location graphically even if the system were map-based, which it was not.

From spring through fall of 2000, Oakland County replaced all twenty-eight of the obsolete E 9-1-1 telephone systems and refunded an apportioned amount to the four jurisdictions who had previously updated their equipment at a cost of \$3.1M funded from the Oakland County General Fund. The new equipment provides vastly improved reporting and interfaces to new CAD to provide ANI/ALI information as well as Phase 2 compliance wireless E 9-1-1 locations automatically.

The new CLEMIS CAD is map based and automatically plots valid addresses and common places to an on-screen map for the call taker and dispatcher to improve tactical awareness. New CAD automatically performs radius searches for duplicate incidents, previous contacts, hazards and alerts and notifies the call taker / dispatcher.

Automatic Vehicle Location coupled to CAD maintains the location of vehicles and road apparatus on the map display which further improves situational awareness. Locations of other vehicles for the jurisdiction can also be displayed in the car for improved officer safety. Dispatch recommendations

can automatically take distance into consideration if the dispatcher so desires.

Daily each officer maintains a detailed activity log that accounts for their dispatched activities, as well as other activities during their shift. Previously the officer manually maintained the log and some agencies had records clerks enter the information into the legacy Activity Log program on the Mainframe for administrative and management reporting. With the new CLEMIS LRMS the daily activity log is largely automated as described below.

This timesaving measurement combines officer dispatching with the officer's daily activity log since they are closely coupled. We also believe that the new CAD provides improved services to the community by being able to more efficiently and quickly dispatch officers in response to a call for service from a citizen however we found no way to reasonably quantify this benefit. No time savings have been ascribed to this benefit.

CAD/Activity Logs - Process Comparison

General Information	
Legacy System	Current System
CAD: 19 call centers, only 4 had an ANI/ALI interface. None were Wireless E 9-1-1 Phase 1/2 compliant. Paper maps were in use.	CAD: 68 call centers, all with automatic ANI/ALI interface. All are fully Wireless E 9-1-1 Phase 1/2 compliant. CAD is map-based to graphically display incident locations. With AVL, also shows the current location of vehicles.
Activity Log: Paper form, some agencies had records clerks key the information into the mainframe system. Submission to the supervisor was the manually prepared form and was handed in at the station at the end of the shift.	Activity Log: An application running on the MDC. All dispatched activities, status changes, reports, citations and crash reports are automatically recorded. Submission to the supervisor is electronic and can be done from the field.

Process Comparison	
Legacy System	Current System
Each shift at roll-call, officer would manually record BOLOs (Be-On-the-Look-Out) and vacation checks.	BOLOs and vacation checks can be sent to the MDC by civilian staff for the officer to reference while in the field. These lists can be updated remotely as new information is received. (1) Savings: 3 to 4 minutes per shift

Process Comparison	
Legacy System	Current System
Each shift, officer inspected vehicle and equipment and manually recorded information such as date, name, badge, shift, car, mileage, damage, and equipment IDs on the paper activity log.	Each shift, officer inspects vehicle and equipment and manually records information such as car, mileage and damage into the Activity Log application. Since the application remembers the officer's last list of equipment IDs typically the equipment list can be completed with a single click of Select All. <u>(2) Savings: 2 minutes minimum per shift</u>
For Dispatched Activities, officer received the dispatch on the MDC and made note of the dispatch information and, about 5% of the time, consulted a map.	For Dispatched Activities, MDC receives dispatch information and keeps it available for the officer to review. <u>(3) Savings: 1 minute per dispatch plus 1 minute 5% of the dispatches for map reference</u> (Dispatch information and time are automatically recorded by the Activity Log application.)
Officer contacted Dispatch via radio with arrival status and time.	Officer clicks on the arrived status button which transmits status update to the Dispatcher using CAD. <u>(4) Savings: 30 to 60 seconds per dispatch</u> (Arrived status and time are automatically recorded by the Activity Log application.)
After completing the Dispatched Activity, officer contacted Dispatch via radio with times, numbers and cleared the run.	After completing the Dispatched Activity, officer clicks on the cleared status button which transmits status update to the dispatcher using CAD. CAD already has the numbers and records the time automatically. <u>(5) Savings: 30 to 60 seconds per dispatch</u> (Cleared status and time are automatically recorded by the Activity Log application.)
For Other Activities, officer contacted Dispatch via radio with status/activity code and other information as needed.	For Other Activities, officer selects/enters the status/activity code which transmits to the Dispatcher using CAD. <u>(6) Savings: 30 to 60 seconds per activity</u> (Activity/status code and time are automatically recorded by the Activity Log application.)
After completing the Other Activity, officer contacted Dispatch via radio with status update.	After completing the Other Activity, officer selects/enters the updated status/activity code which transmits the update to the Dispatcher using CAD. <u>(7) Savings: 30 to 60 seconds per activity</u> (Updated activity/status code and time are automatically recorded by the Activity Log application.)

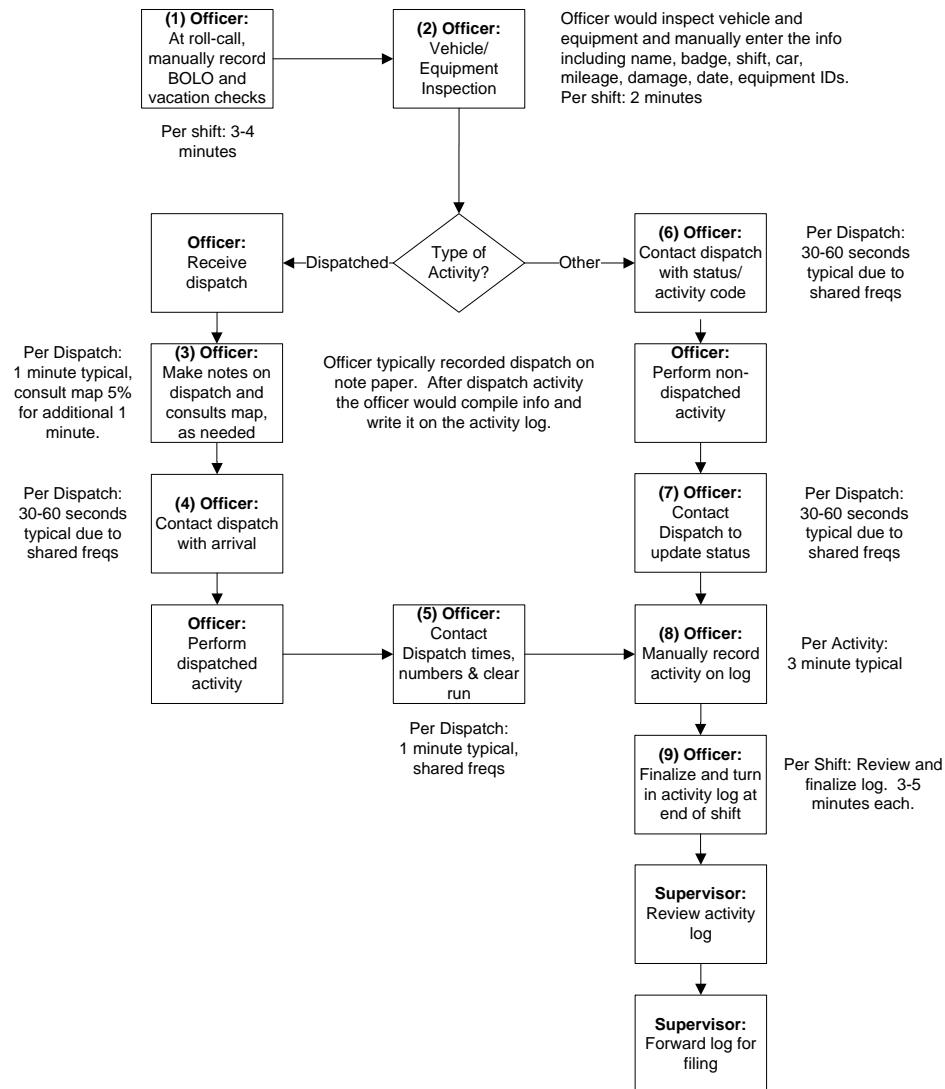
Process Comparison	
Legacy System	Current System
For Dispatched Activities and Other Activities, officer typically recorded information on note paper. After the activity the officer compiled information and wrote it on the paper activity log.	For Dispatched Activities and Other Activities, information has already been automatically captured by the Activity Log application. The officer can optionally add notes and other information to any of the activity log entries. <u>(8) Savings: 3 minutes per activity</u>
At the end of the shift, the officer finalized the paper activity log and turned it in for Supervisor review.	At the end of the shift, the officer can add or edit entries as needed and electronically submit the log. <u>(9) Savings: 3 to 5 minutes per shift</u> (The Supervisor reviews the activity log online.)
Note: Previously discretionary time for patrol activities or free patrol was not specifically tracked but was but was assumed to be shift time unaccounted for in any other manner. The new Activity Log application records free patrol based on MDC/CAD status codes automatically captured from CAD for improved and more accurate management and administrative reporting.	

CAD/Activity Logs - Workflow Diagrams

Legacy CAD/Activity Log

Tuesday, September 28, 2010

In-car MDT used for CAD dispatch, status updates, LEIN query and messaging.
All other dispatch-related activities used radio communications between the officer and dispatcher.

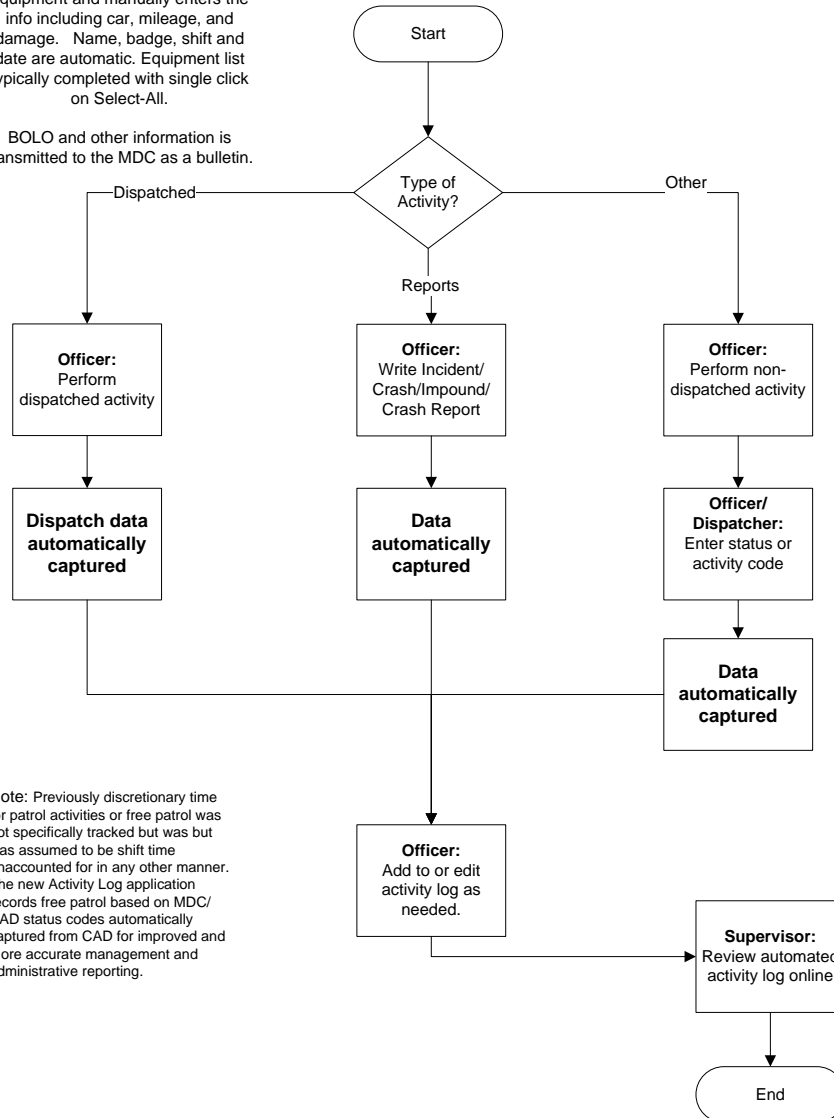


New CLEMIS CAD/Activity Log

Tuesday, September 28, 2010

Officer inspects vehicle and equipment and manually enters the info including car, mileage, and damage. Name, badge, shift and date are automatic. Equipment list typically completed with single click on Select-All.

BOLO and other information is transmitted to the MDC as a bulletin.



Note: Previously discretionary time for patrol activities or free patrol was not specifically tracked but was but was assumed to be shift time unaccounted for in any other manner. The new Activity Log application records free patrol based on MDC/ CAD status codes automatically captured from CAD for improved and more accurate management and administrative reporting.

CAD/Activity Logs – FTE Timesaving Worksheet

COPS Parameters	
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Shifts per year	280
Hours per year	1,824

Data Input	
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Number of Dispatch Officers:	5,967	
Number of Activities:	4,254,765	Annualized from 1/1/2010 through 4/30/2010
Number of Dispatches:	2,050,055	From 5/1/2009 through 4/30/2010

Parameters	
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<u>Per Shift:</u>	Minutes
(1) Roll-call Notes	3.50
(2) Vehicle Inspection	2.00
(9) Review Finalize Activity Log	4.00

Savings Calculation	
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Minutes

Per Shift Savings:	9.50	15,872,220	Dispatch Officers * # Shifts * Minutes
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<u>Per Dispatch:</u>	Minutes
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(3) Officer Records Dispatch	0.75	
(3) Officer Map Lookup percent		5%
(3) Officer Map Lookup time	0.04	0.75
(4) Officer Arrival Contact	0.75	
(5) Officer Clear Contact	0.75	

Per Dispatch Savings:	2.29	4,689,501	# Dispatches * Minutes
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<u>Per Activity:</u>	Minutes
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(6) Officer New Status	0.75
(7) Officer Update Status	0.75
(8) Office Records Activity	3.00

Per Activity Savings:	4.50	19,146,443	# Activities * Minutes
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CAD/Activity Log FTE Timesaving: 362.83
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Citations - Overview

Before development and deployment of the new CLEMIS Citations application, citations were hand-written UD-8 paper forms that were processed, routed, filed and entered into legacy systems manually.

When a citation was associated with other paperwork, such as an incident report and/or crash report, a great deal of information common to all of the forms had to be manually entered multiple times.

The CLEMIS Electronic Citations application is available on the MDC for officers to use in the field. The MDCs have magnetic stripe readers so that drivers' licenses can be swiped to rapidly and accurately input the operator's number. The CLEMIS interface to LEIN/SOS/NCIC evaluates responses and automatically creates hyperlinks for selected information. For example, a license plate query response would include a hyperlink for the owner's name. With the MDTs it was necessary to make note of the name and initiate a separate name query; now all that is necessary is to click on the name hyperlink.

An important timesaving feature of the citation and other applications available to the officer on the MDC is that information entered on any form or returned from LEIN/SOS inquiries can be imported into the citation and any other form to eliminate redundant manual entry of common information.

The MDCs are also equipped with a printer on which to print citations and other commonly used forms such as Impound forms.

While rarely used, officers still carry paper citations in the event that their MDC is down or wireless data connectivity is unavailable. The MDC has become such an essential tool that many departments will take a car out of service for patrol usage if the MDC is inoperable.

Citations - Process Comparison

Citations is interfaced to the CLEMIS LEIN/SOS/NCIC interface which eliminates entering duplicate information and provides short-cuts, such as hyperlinks, to further reduce officer input. One important area of timesaving is the new CLEMIS MDC Infrastructure which returns information in seconds that previously took minutes to receive. Only timesaving realized because of technology-related process improvements is included here; timesaving realized because of the new high-speed MDC Infrastructure are documented separately later in this document. In this section we take into account the significant timesaving realized by the data import features discussed above as well as other process timesaving.

Not included in the calculations below is officer timesaving realized by no longer having to manually locate citations in a file cabinet, copy, re-file originals and organize the forms in preparation for Court. Now the officer can print reports and copies of citation forms in minutes. We were unable to

determine a standardized, reliable method to reasonable estimate timesaving for this benefit because of widely differing processes used among the member agencies. As such, no timesaving is ascribed below.

General Information	
Legacy System	Current System
Manual system using hand-written forms. Information was entered it the legacy systems by records clerks.	CLEMIS Citations is one of several applications that are available to an officer on their MDC. The applications are designed to interact in such a way as to eliminate duplicate data entry and to provide short-cuts to provide further timesaving to an officer.
LEIN/SOS/NCIC information was available via the MDT or from the Dispatcher by radio if not MDC.	LEIN/SOS/NCIC information s available via the MDC using the new CLEMIS MDC Infrastructure.

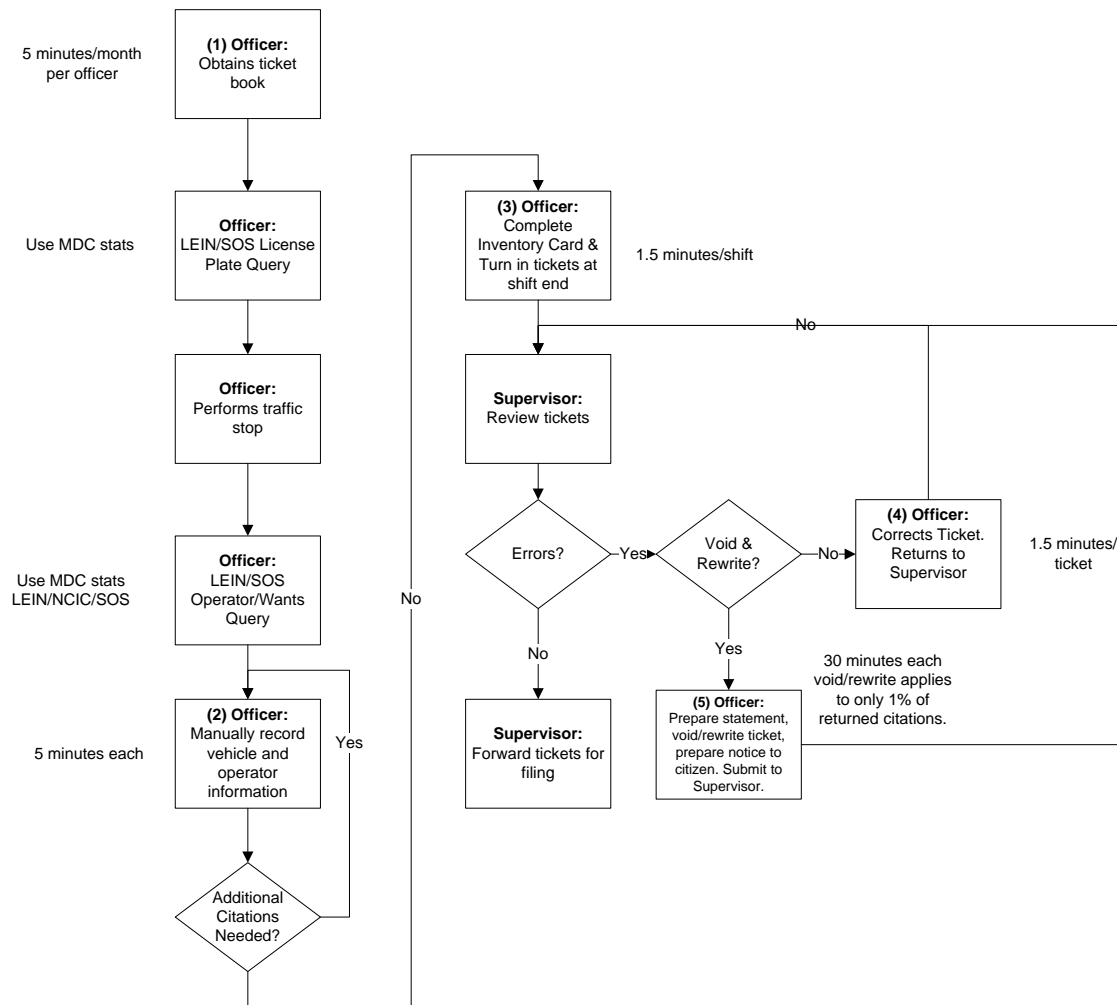
Process Comparison	
Legacy System	Current System
Officer obtained new UD-8 ticket book	Officer obtains new UD-8 ticket book. Done far less frequently. <u>(1) Savings: 5 minutes per month per officer</u>
Officer initiated license plate query and made a note of returned owner name and other information as needed.	Officer initiates license plate query. Response contains a hyperlink for the owner name query with a single mouse click. Selected response information is automatically available for import into the Citation and other forms/reports.
Officer made the traffic stop, obtained the driver's license and initiated a driver license name query.	If the owner is the driver, officer clicks the name hyperlink in the license plate response for the driver license query. Otherwise, the officer swipes the driver license to initiates the query. Selected response information is automatically available for import into the Citation and other forms/reports.

Process Comparison	
Legacy System	Current System
For each citation, the officer manually records operator and vehicle information. If there are more than 3 charges, additional tickets must be written; common information must be completely rewritten.	For this traffic stop, the officer imports operator and vehicle and edits as needed. Agency-specific defaults automatically complete many fields but can be edited if needed. Also, officers can set their own defaults for other fields; traffic cars often write many tickets for the same basic set of charges for additional timesaving. If there are more than 3 charges, the max allowed on the UD-8, the system automatically creates as many additional UD-8 forms as necessary. <u>(2) Savings: 5 minutes per citation</u>
At the end of each shift, officer completes the Inventory Card and turns in citations.	Citations are electronically submitted as the officer issues them. A report automatically accounts for each ticket written or cancelled. <u>(3) Savings: 1.5 minutes per shift</u>
Supervisor reviewed tickets for completeness, legibility and proper coding. A note was written with an explanation of any returned tickets.	Supervisor reviews tickets for proper coding. Being computerized, returns due to illegible hand-writing are eliminated. Business rules help ensure proper coding. The Supervisor can note any returns which are returned electronically to the officer's MDC. <u>(4) Savings: 1.5 minutes per citation</u>
Officer corrected the returned citations, typically in the station, and returned the corrected citation to the Supervisor for review. If the correction involved voiding and reissuing a new citation, it was necessary to prepare statements and notice to the operator as well as rewrite the ticket.	Officer corrects the returned citations, typically while on patrol, and electronically resubmits the citation to the Supervisor for review. If the correction involves voiding and reissuing a new citation, the CLEMIS Electronic Citation application helps to prepare statements and notice to the operator as well as rewrite the ticket. <u>(5) Savings: 1 hour per reissued ticket</u>

Citations - Workflow Diagrams

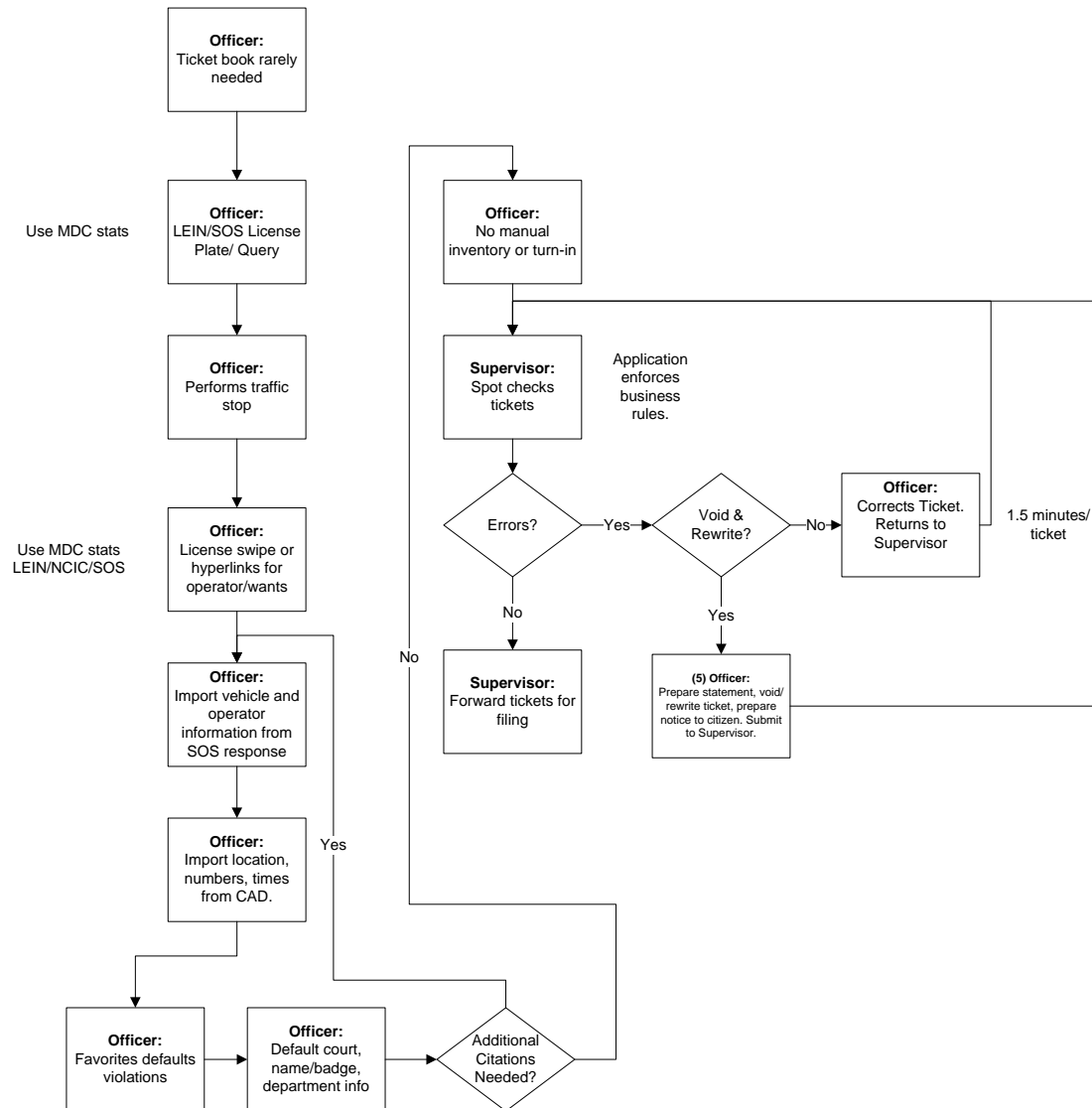
Legacy Citations

Thursday, August 26, 2010



New CLEMIS Citations

Thursday, August 26, 2010



Citations – FTE Timesaving Worksheet

COPS Parameters	
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Shifts per year	280
Hours per year	1,824

Data Input	
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Number of Officers	1,980
Number of Citations	406,632
Number of Additional Pages	640
Number of Supervisor Returns	10,212
Number of Court Returns	13,976
Cancel/Rewrite Citation	1.0%

Parameters	
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<u>Per Month:</u>	Minutes
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(1) Officer Obtains Ticket Book	5.00
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Per Month Savings:	5.00
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Savings Calculation	
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Minutes

Per Month Savings

118,820	Officers * 12 months * Minutes
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<u>Per Shift:</u>	Minutes
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(3) Complete Inventory/Submit	1.50
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Per Shift Savings:	1.50
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831,740	Officers * Shifts * Minutes
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<u>Per Citation:</u>	Minutes
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(5) Record Vehicle/Operator	5.00
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Manual Entry vs Import

Per Citation Savings:	5.00
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2,036,360	(# Citations + # Add'l Pages) * Minutes
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<u>For Returns:</u>	Minutes
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Supervisor/Court Returns	1.50
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36,282

Returned Citations * Minutes

Cancel/Rewrite	30.00
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7,256

Returned Citations * % Cancels * Minutes
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For Returns Savings:

43,538

Sum of above

Citation FTE Timesaving: 27.69

Crash Reports - Overview

Before development and deployment of the new CLEMIS Crash application, crash reports were hand-written on standardized state-approved UD-10 paper forms that were processed, routed, filed and entered into legacy systems manually.

When a crash report was associated with other paperwork, such as an incident report and/or citation, a great deal of information common to all of the forms had to be manually entered multiple times.

The CLEMIS Electronic Crash application is available on the MDC for officers to use in the field. The MDCs have magnetic stripe readers so that drivers' licenses can be swiped to rapidly and accurately input the operator's number. The CLEMIS interface to LEIN/SOS/NCIC evaluates responses and automatically creates hyperlinks for selected information. For example, a license plate query response would include a hyperlink for the owner's name. With the MDTs it was necessary to make note of the name and initiate a separate name query; now all that is necessary is to click on the name hyperlink.

An important timesaving feature of the crash and other applications available to the officer on the MDC is that information entered on any form or returned from LEIN/SOS queries can be imported into the crash report and any other form to eliminate redundant manual entry of common information.

While rarely used, officers still carry paper crash forms in the event that their MDC is down or wireless data connectivity is unavailable. The MDC has become such an essential tool that many departments will take a car out of service for patrol usage if the MDC is inoperable.

Crash Reports - Process Comparison

Crash is interfaced to the CLEMIS LEIN/SOS/NCIC interface which eliminates entering duplicate information and provides short-cuts, such as hyperlinks, to further reduce officer input. One important area of timesaving is the new CLEMIS MDC Infrastructure which returns information in seconds that previously took minutes to receive. Only timesaving realized because of technology-related process improvements is included here; timesaving realized because of the new high-speed MDC Infrastructure are documented separately later in this document. In this section we take into account the significant timesaving realized by the data import features discussed above as well as other process timesaving.

Not included in the calculations below is officer timesaving realized by no longer having to manually locate crash forms in a file cabinet, copy, re-file originals and organize the forms in preparation for Court. Now the officer can print reports and copies of crash forms in minutes. We were unable to determine a standardized, reliable method to reasonable estimate timesaving

for this because of widely differing processes used among the member agencies.

General Information	
Legacy System	Current System
Manual system using standardized state approved UD-10 paper forms. Information was entered in the legacy systems by records clerks, when it was collected at all.	Crash is one of several applications that are available to an officer on their MDC. The applications are designed to interact in such a way as to eliminate duplicate data entry and to provide short-cuts to provide further timesaving to an officer.
LEIN/SOS/NCIC information was available via the MDT or from the Dispatcher by radio if not MDC.	LEIN/SOS/NCIC information is available via the MDC using the new CLEMIS MDC Infrastructure.

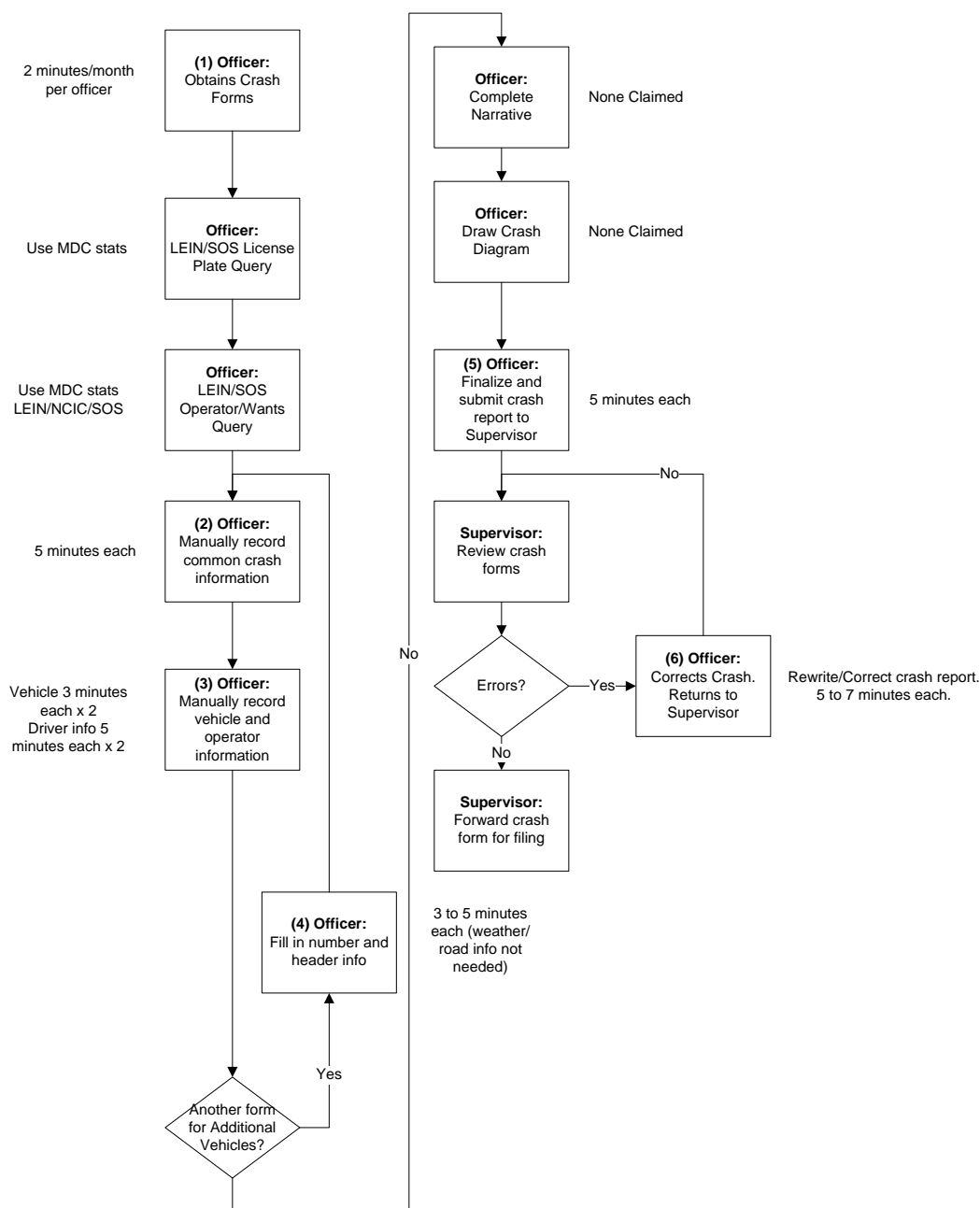
Process Comparison	
Legacy System	Current System
Officer obtained new supply of UD-10 crash report forms.	Officer obtains new supply of UD-10 crash report forms. Done far less frequently. <u>(1) Savings: 2 minutes per month per officer</u>
Officer initiated license plate query and made a note of returned owner name and other information as needed.	Officer initiates license plate query. Response contains a hyperlink for the owner name query with a single mouse click. Selected response information is automatically available for import into the Citation and other forms/reports.
Officer obtained the driver's license and initiated an operator/wants LEIN/SOS/NCIC query. Officer might also perform queries for passengers.	If the owner is the driver, officer clicks the name hyperlink in the license plate response for the driver license query. Otherwise, the officer swipes the driver license to initiate the query. Selected response information is automatically available for import into the Crash Report and other forms/reports.
The officer manually records common crash information.	Agency-specific defaults automatically complete many fields but can be edited if needed. Instead of using a pencil filling in scan bubbles on the UD-10 form, the officer can select inputs rapidly with mouse clicks. Several fields are automatically completed based on the variables such as date, time and day of week. <u>(2) Savings: 5 minutes per citation</u>

Process Comparison	
Legacy System	Current System
For each vehicle involved, the officer manually records operator and vehicle information.	For this traffic stop, the officer imports operator and vehicle and edits as needed. Once information is entered or available for import from a response it is available for use on the Crash form or any other form. <u>(3) Savings: 3 minutes per vehicle, 5 minutes per driver (on average two vehicles are involved).</u>
If there are more than two vehicles are involved, additional crash reports must be prepared; most common information must be rewritten.	If more than two vehicles are involved the application automatically creates additional UD-10s as needed. <u>(4) Savings: 3 to 5 minutes for each additional crash report required.</u>
Officer hand-writes the narrative and completes the crash diagram.	Officer enters the narrative into the application and completes an electronic crash diagram using an integrated drawing tool. <u>Savings: None claimed</u> although having the Crash Report in an electronic format enhances the information maintained by the system and is, therefore, available to officers and investigators.
Officer finalizes and turns in the Crash Report for to the Supervisor for review.	Crash Reports are electronically submitted as the officer completes them. <u>(5) Savings: 5 minutes per report</u>
Supervisor reviewed crash reports for completeness, legibility and proper coding. A note was written with an explanation of any returned Crash Report.	Supervisor reviews Crash Report for proper coding. Being computerized, returns due to illegible hand-writing are eliminated. Business rules help ensure proper coding. The Supervisor can note any returns which are returned electronically to the officer's MDC.
Officer corrected the returned Crash Report, typically in the station, and returned the corrected Crash Report to the Supervisor for review. Because the paper UD-10 is a mark-scan form it is typical that the corrected report is rewritten on a new UD-10 form to avoid later rejection by the State.	Officer easily edits the returned Crash Report, typically while on patrol, and electronically resubmits the Crash Report to the Supervisor for review. <u>(6) Savings: 7 to 10 minutes per returned crash report</u>

Crash Reports- Workflow Diagrams

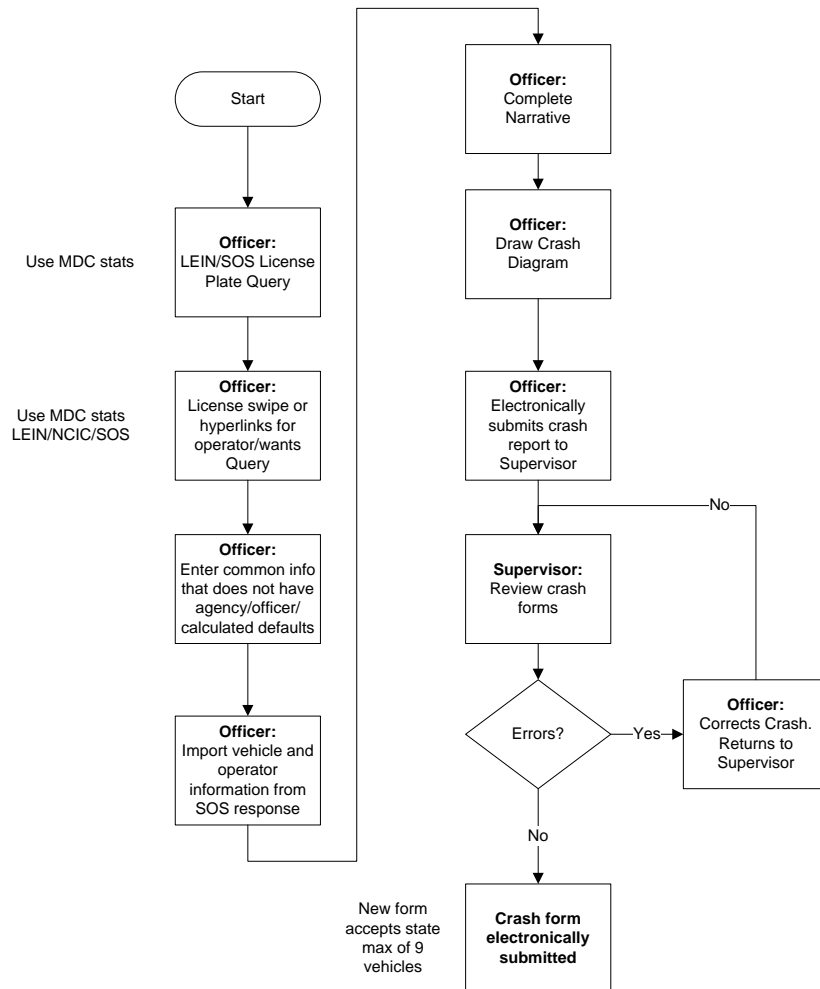
Legacy Crash

Thursday, August 26, 2010



New CLEMIS Crash

Thursday, August 26, 2010



Crash Reports - FTE Timesaving Worksheet

COPS Parameters	
-----------------	--

Shifts per year	280
Hours per year	1,824

Data Input	
------------	--

Number of Officers	2,574
Number of Crash Forms	71,772
Original Supervisor Returns	10.0%
Current Supervisor Returns	5.0%

Parameters	
------------	--

<u>Per Month:</u>	Minutes
--------------------------	----------------

(1) Officer Obtains Crash Forms	2.00
---------------------------------	------

Per Month Savings:	2.00
---------------------------	-------------

Savings Calculation	
---------------------	--

Minutes

Per Month Savings

61,776

Officers * 12 months * Minutes

<u>Per Crash Form:</u>	Minutes
-------------------------------	----------------

(2) Record Common Crash Info	5.00
------------------------------	------

Original Manual Entry Method

(3) Record Vehicle Info	3.00
-------------------------	------

In calculation assume two each

(3) Record Driver Info	5.00
------------------------	------

In calculation assume two each

(4) Record Common Crash on Add'l	4.00
----------------------------------	------

Common information on additional forms
--

(5) Finalize and Submit	5.00
-------------------------	------

Per Crash Form Savings:	22.00
--------------------------------	--------------

1,578,984

(# Crash Forms + # Add'l Pages) * Minutes

<u>Per Return:</u>	Minutes
---------------------------	----------------

Correct Supervisor Return	8.50
---------------------------	------

Per Returns Savings:	8.50
-----------------------------	-------------

30,503

((Crashes * Orig %)-(Crashes*Curr %))*Mins
--

Crash FTE Timesaving: 15.27

Mobile Data Computer (MDC) Infrastructure - Overview

In 1998/99 mobile data communications was based on an aging 420 MHz private radio network which operated at 4.8KBPS. Performance and coverage were further degraded because one tower site was permanently inoperative due to unavailability of parts for nearly two years before being replaced as a result of this project. Response time from the aging message switch would slowly degrade over time and had to be periodically rebooted to restore performance. Each time this happened the system was completely unavailable for a few minutes. The best terminal response time was about two minutes per query response; no response was less than three pages and complicated to understand. Many queries generated multiple responses from separate systems, typically LEIN, SOS and NCIC. NLETS queries/responses were used less frequently.

In the cars were obsolete Electrocom 860/870 “dumb” mobile data terminals (MDT), which operated on the County’s private wireless data system at 4.8 KBPS as noted above. These devices were character-based with limited screen size, a 30 character line by 10 lines, and only performed basic functions consisting of selected LEIN inquiries, received dispatch information, sent unit status, and messaging between cars, CLEMIS CAD and LRMS terminals, or any combination.

The MDTs were incapable of supporting field-based reporting, in-car printing, such as reports and tickets, and graphic applications such as in-car maps, two-finger live scan and mug shot thumbnail displays as the mobile data computers (MDCs) can.

High-speed wireless data communications to officers in the field is an essential component to meeting the timesaving goals of the COPS MORE98 Grant. The portions of the grant involved are:

- Mobile Data Computers (MDC)
- Mobile Enabling Kits
- In-Vehicle Printers
- Automatic Vehicle Location (AVL)

The new wireless data infrastructure is based on public wireless data services operating at speeds of up to 1500KBPS although for this report we assumed a typical speed of 1000KBPS. Since this is a public safety application, there are “firewalls” to prevent any public access to the public safety data. Between the provider’s central site and the CLEMIS central site there is an OC-3 data communications line operating at 155MBPS, which provides, for all practical purposes, unlimited bandwidth. Responses that previously took several minutes using the slow, congested wireless data communications now only take mere seconds, virtually instantaneous.

In the cars are Windows XP-based MDCs with touch screens for easy use in the field, mag-stripe readers for swiping driver’s licenses and printers to print citations, impound tickets and other forms. The wireless data network operates at 1000KBPS as noted above; the wireless modem has an

integrated GPS so that the car automatically reports its location to the automatic vehicle location (AVL) function of CAD. The officer can also see the location incidents that they are being dispatched to as well as the location of their vehicle on an in-car map. This is an important feature for when an officer responds to wireless E 9-1-1 call for service, the location of the caller is based on map coordinates; the graphic map display is essential to timely response.

The MDC Infrastructure described above is a key component in increasing an officer's presence in the community and to give them tools that enhance officer safety by providing important information to their fingertips. The MDC uses the CLEMIS Mobile Dashboard to permit easy access to all of the applications available in the field. With the exception of selected LEIN transactions that are not authorized for use outside of a secure area and property room submissions, the officer can do virtually everything in their car that they could do at the station. This is also true of supervisors who can review and approve various electronic reports submitted by patrol officers. As a result, some agencies have assigned supervisors patrol time for part or their entire shift. There is a great deal of variety in how agencies have approached this so this report does not take into account additional patrol time and community contact as a result of supervisors being reassigned to patrol from station duty.

MDC Infrastructure - Process Comparison

General Information	
Legacy System	Current System
Previously there were 519 Electrocom 860/870 "dumb" mobile data terminal (MDT) with a 30 character line by 10 line display	Currently there are 1,884 Windows XP-based MDCs
The legacy mobile data network was based on a private 420MHz radio system operating at 4,800 BPS	The new mobile data network uses public wireless data services operating at a typical speed of 1000KBPS; 1500KBPS maximum.
Annual transaction volume was approximately 1.5 million queries with about 4.0 million responses.	Annual transaction volume is approximately 11 million queries with 46 million responses.

Process Comparison	
Legacy System	Current System
Officer initiated a query which resulted in at least one response but often the result was three or more responses, such as LEIN, SOS and NCIC on a name query. Each response was a minimum of three MDT screens. Each response took a <u>minimum</u> of two to three minutes each to send and receive using the 4.8KBPS wireless data network and 56KB analog landline to the State.	Officer initiates a query which results in at least one response but often the result is three or more responses, such as LEIN, SOS and NCIC on a name query. All of the responses are returned in a single, scrollable screen. The combined response takes 15 to 20 seconds to send and receive using the 1000KBPS wireless data network and 1500KB digital line to the State. <u>(1) Savings: Minimum of 3 screens per response at 2 minutes per screen.</u>

Process Comparison	
Legacy System	Current System
Officers would copy or memorize selected information from a response, for example, the owner's name from a license plate query. To run a query on that name the officer would clear the response, return to the menu and select the name query. Once the name query form was displayed they would type in the name from their notes or memory.	<p>Selected information contained in the responses, such as the owner's name from a license plate query, is displayed as a hyperlink. To run a query on that name the officer simply clicks on the hyperlink.</p> <p>The MDC maintains a history of queries and responses, which the officer can review at any time. Other applications such as incident reporting, citations, crash and impound, can import person and vehicle information from the query history with a point and click. It is unnecessary to manually enter that data. MDCs are also equipped with a magnetic strip reader. To run an OPS query on a driver's license, the license is swiped through the reader and a click sends the query.</p> <p><u>(2) Savings: 1 minute per transaction for OPS.</u></p> <p><u>(3) Savings: 1 – 2 minutes per transaction for name link.</u></p>
<p>This section of timesaving takes into account the speed of the wireless data network, which is faster as well as having expanded capabilities of the mobile equipment dumb mobile data terminals as compared to touch-screen mobile data computers running Windows XP. Also included in this section is timesaving realized as a result of elimination manual queries with the use of hyperlinks.</p> <p>Savings realized as a result of the import capability is taken into account in the process flow of applications that use that feature; virtually all of the MDC applications.</p>	

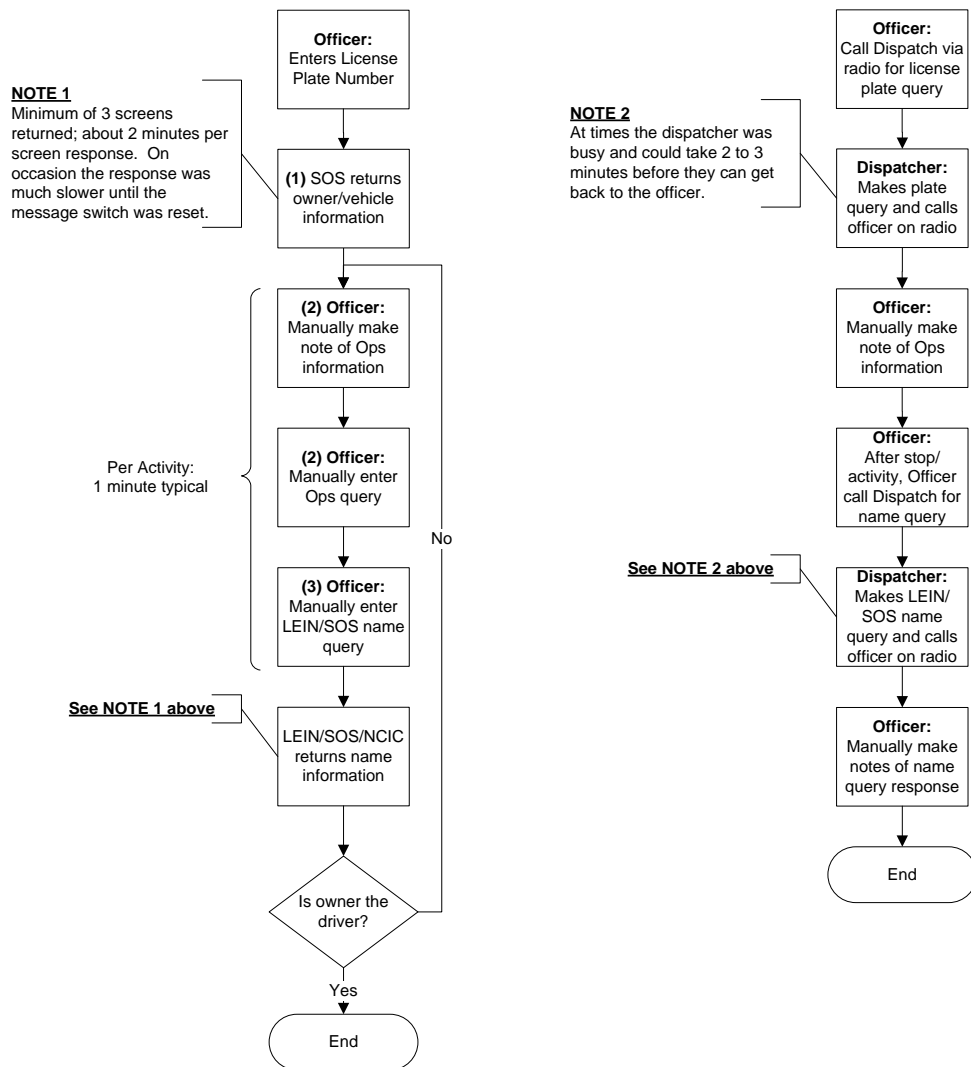
MDC Infrastructure - Workflow Diagrams

Example of Legacy MDC Infrastructure

Thursday, September 09, 2010

**519 ElectroCom 860/870 MDTs
Wireless Mobile Data Network (4.8KBPS)**

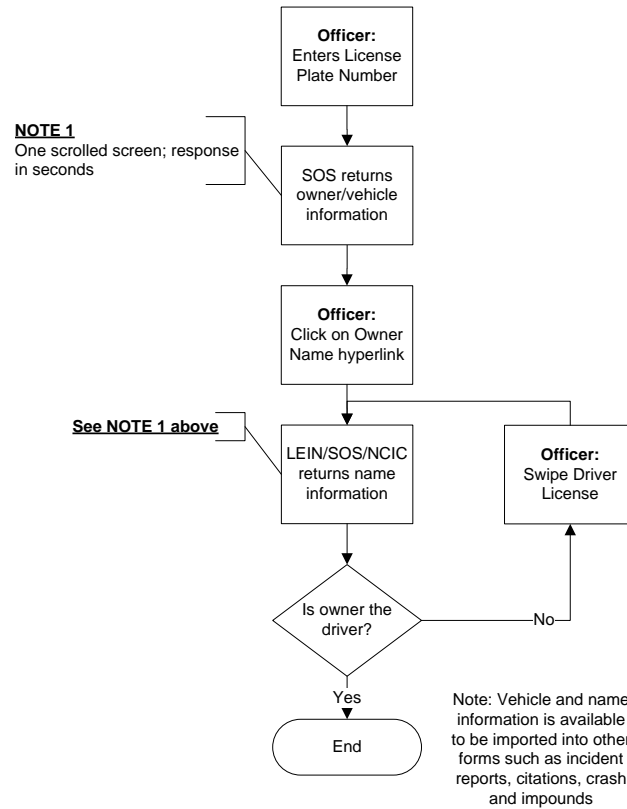
For officers without an MDC



New CLEMIS MDC Infrastructure

Thursday, August 26, 2010

1,884 Portable and Mobile Data Computers (MDCs) Wireless Mobile Data Network (1000KBPS typical, 1500KBPS Max)



MDC Infrastructure - FTE Timesaving Worksheet

COPS Parameters	
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Shifts per year	280
Hours per year	1,824

Data Input	
------------	--

MDC/Mobile Queries Msg Switch	9,337,768	
MDC/Mobile Queries Talon	1,575,798	
Total Queries for MDC/Mobile	10,913,566	# Msg Swt + # Talon
MDC/Mobile Responses Msg Switch	44,494,812	Annualized from sample
MDC/Mobile Responses Talon	1,453,098	Annualized from sample
Total Responses for MDC/Mobile	45,947,910	# Msg Swt + # Talon
Auto-Inquiries for OPS	2,364,000	Annualized from sample
Auto-Inquiries for Name	752,000	Annualized from sample

Parameters	
------------	--

<u>MDC Infrastructure:</u>	Minutes
Savings per Response	2.00
Auto-Inquiries for OPS	1.00
Auto-Inquiries for Name	1.50

Savings Calculation	
---------------------	--

		91,895,820	Responses * Minutes
		2,364,000	OPS Auto-Inquiries * Minutes
		1,128,000	Name Auto-Inquiries * Minutes
Timesaving:	4.50	95,387,820	Sum of above

MDC Infrastructure FTE Timesaving: 871.60
--

Records Management - Overview

Before implementation and deployment of the new CLEMIS Law Enforcement Records Management System (LRMS) application, case (incident) reports (CRs) and supplemental reports were hand-written on CLEMIS standard paper forms that were processed, routed, filed and entered into legacy systems manually. Officers then either entered the report information into mainframe terminals at the station (a few agencies) or turned in the report to a records clerk for entry. It was not uncommon for a day or two to elapse before the report was entered especially if the incident occurred later in the day on Friday or over the weekend or holiday. When an incident was associated with other paperwork, such as a citation and/or crash report, a great deal of information common to all of the forms had to be manually entered multiple times. Redundant data entry on an incident was further exacerbated since often multiple officers worked on the same incident.

The legacy LRMS had no provision for storing attachments such as word processing documents, images, and other objects that is available with new LRMS technology. New or changes to reports and inquiries had to be programmed by CLEMIS staff since there was no facility for real-time user prepared reports and queries. Storage of historical information was limited and few comprehensive audit trails existed.

CLEMIS LRMS, locally also called NetRMS, is available on the MDC for officers to use in the field as well as in the station by officers and management/administrative staff. The MDCs have magnetic strip readers so that drivers' licenses can be swiped to rapidly and accurately input the operator's number. The CLEMIS interface to LEIN/SOS/NCIC evaluates the resulting responses and automatically creates hyperlinks for selected information. For example, a license plate query response would include a hyperlink for the owner's name. With the MDTs it was necessary to make note of the name and initiate a separate name query; now all that is necessary is to click on the name hyperlink.

An important timesaving feature of the incident report and other applications available to the officer on the MDC is that information entered on any form or returned from LEIN/SOS queries can be imported into the incident report and any other form to eliminate redundant manual entry of common information. Moreover, common information, such as persons and property, entered on an incident report by one officer is available for importing into any other case report prepared for the same case.

While rarely used, officers still carry paper forms in the event that their MDC is down or wireless data connectivity is unavailable. The MDC has become such an essential tool that many departments will take a car out of service for patrol usage if the MDC is inoperable.

Records Management - Process Comparison

LRMS is interfaced to the CLEMIS LEIN/SOS/NCIC interface which eliminates entering duplicate information and provides short-cuts, such as hyperlinks, to further reduce officer input. One important area of timesaving is the new CLEMIS MDC Infrastructure which returns information in seconds that previously took minutes to receive. . Only timesaving realized because of technology-related process improvements is included here; timesaving realized because of the new high-speed MDC Infrastructure are documented separately above in this document. In this section we take into account the significant timesaving realized by the data import features discussed above as well as other process timesaving.

Not included in the calculations below is officer timesaving realized by no longer having to manually locate reports in a file cabinet, copy, re-file originals and organize the forms in preparation for Court. Now the officer can print reports and copies of forms in minutes. We were unable to determine a standardized, reliable method to reasonable estimate timesaving for this because of widely differing processes used among the member agencies.

General Information	
Legacy System	Current System
A mainframe in-house developed application using a combination of network databases and flat-file databases.	New CLEMIS LRMS is a client server-based application using state-of-the-art relational data bases.
In the station, users used mainframe, character-based terminals with screens of 80 characters x 25 rows. Field-based reporting was not possible with the dumb MDTs and slow mobile data network that operated at 4.8 KBPS.	In the station users use Windows XP-based PCs with considerable more screen capacity and graphics capability. In the field virtually all of the same functions are available to an officer using a Windows XP-based MDC with a touch screen for easy accessibility without using a mouse for most operations. The mobile data network operates and speeds up to 1500KBPS, 1000 KBPS typical.
Stand-alone PC programs provided other functionality.	New applications are based on client-server technology. Most all common information entered into one application is available for import into other CLEMIS records applications.

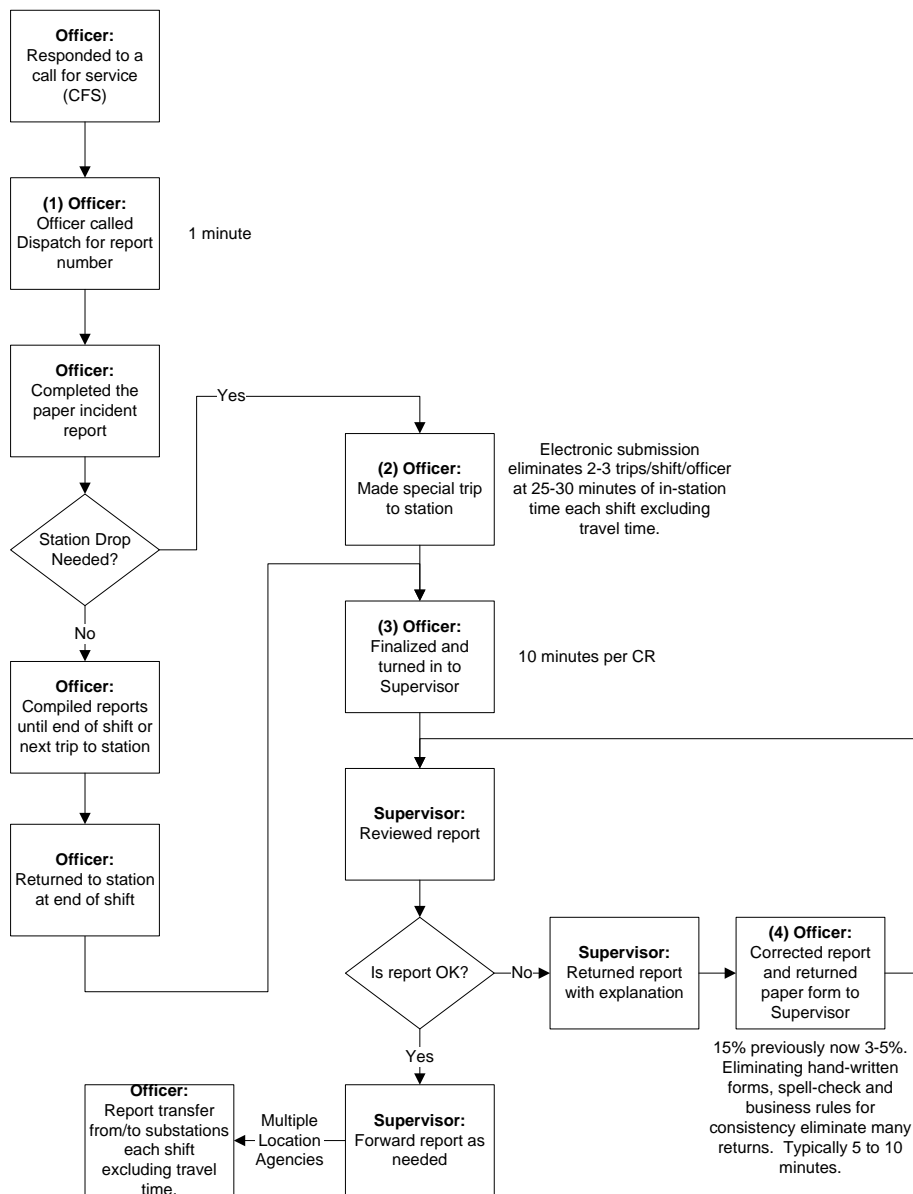
Process Comparison	
Legacy System	Current System
Officer receives call for service (CFS) and makes note of the details and contacts Dispatch for report number.	Officer receives call for service which is kept in the officer's CFS queue; the CFS number is system generated and included in the dispatch. <u>(1) Savings: 1 minute per CFS</u> (It is possible for Dispatch to pre-queue calls for the officer to respond to as time is available.)
Officer completed the paper incident report as needed. The report was later entered into the legacy system, usually by a records clerk.	Officer completes the incident report on the MDC as needed. For most, simpler incident reports the new application is somewhat faster for the officer than paper forms. More complex reports often take longer to complete. The advantage of the new system is a more comprehensive collection of data which is consistent within the individual report as well as across all reports associated with the case. <u>Savings: None Claimed</u>
Officer submitted the paper form for Supervisor review. Often procedures required the Officer to return to the station during their shift to submit the form and receive supervisor approval.	Officer submits the completed incident report electronically for Supervisor review thus reducing the number of trips to the station an officer must make during their shift. <u>(2) Savings: in-station time for 2 to 3 trips per shift at 20 to 30 minutes each.</u> (This process accounts only for typical time an officer would spend in the station once they arrived. Actual travel time to/from an officer's patrol area and the station can vary considerably and is excluded from these timesaving calculations.)

Process Comparison	
Legacy System	Current System
Supervisor reviewed the incident report and returned it to the officer with a note if there are corrections needed. In some cases it was necessary for the officer to return to the station to make corrections. This trip is included in the count above, right.	Supervisor reviews the electronic incident report. If corrections are required, the Supervisor enters a note and electronically returns the incident report to the work queue on the officer's MDC. The Officer can correct the report while remaining in the field and electronically resubmit it to the Supervisor. Previously about 15% of the reports were returned for illegibility, misspellings and inconsistencies in the data. The new system includes a spell checker and business to greatly reduce the chance of inconsistencies this reducing returns to 3% to 5%. <u>(3) Savings: A net reduction of approximately 11% at 5 to 10 minutes per report.</u>

Records Management - Workflow Diagrams

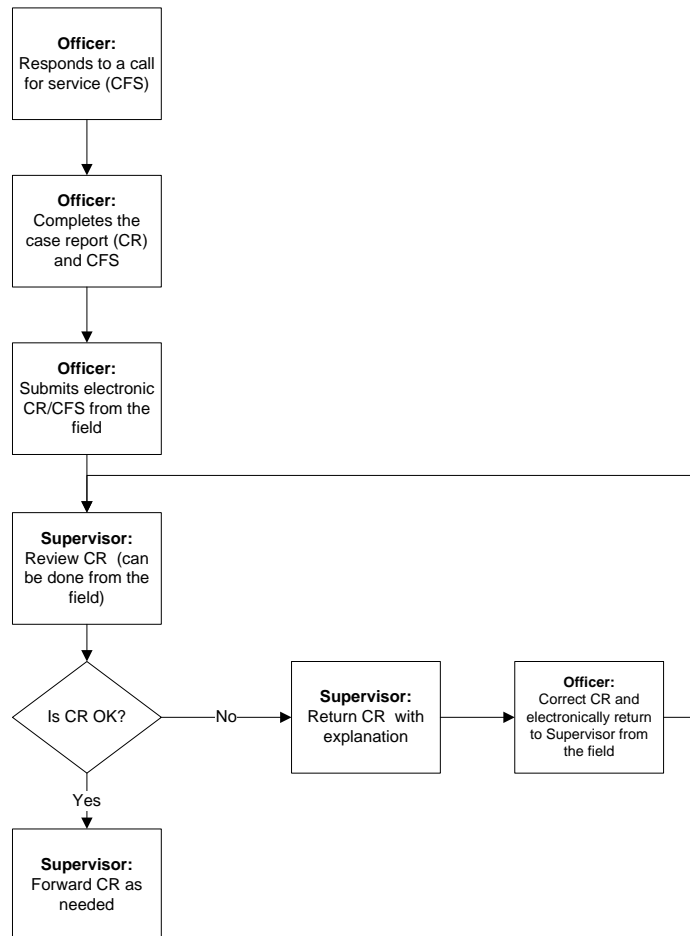
Legacy Incident Report

Thursday, August 26, 2010



New CLEMIS LRMS Case Report

Thursday, August 26, 2010



Records Management - FTE Timesaving Worksheet

COPS Parameters	
-----------------	--

Shifts per year	280
Hours per year	1,824

Data Input	
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Number of Officers	6,527
Number of CFS	1,905,983
Number of CRs	588,478
Reduction of Supervisor CR Returns	11.0%

Parameters

Per Shift:

(2) Number of Reduced Trips to Station	2.50
(2) Reduced Trips to Station in Minutes	25.00

Savings Calculation

Minutes

Est @ 2-3 trips @ 20-30 mins each

Per Shift Savings:	62.50	114,222,500	# Officers * Shifts * Trips * Minutes
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For CFS/CR:

Minutes

(1) Radio Call to Dispatch for Report No.	1.00	1,905,983	# CFS * Minutes
(3) Final CR and Submit to Supervisor	10.00	588,488	# CR * Minutes

For CFS/CR Savings:	11.00	2,494,471	Sum of above
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Per Return:

Minutes

(4) Correction of Supervisor CR Returns	7.50	485,494	Original # CR * % Return * Minutes
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Per Returns Savings:	7.50	485,494	Sum of above
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Records Management FTE Timesaving:	1,070.93
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OakVideo - Overview

Before OakVideo, it was necessary for officers to manually prepare files and checklist and then either hand-deliver the paperwork to the prosecutor's office, in the case of warrant requests or to transport defendants from their local lock-up to courts. Officers spent considerable time on travel and waiting for review and processing of the paper documents. OakVideo provides electronic document management and queuing services as well as multi-point , simultaneous video conferencing designed especially for video arraignment and similar activities that largely eliminate hand-delivers and prisoner movements for court appearances.

Below is a brief description of the three major functions where the most time savings have been realized as well as a summary of other OakVideo functions.

Warrant Requests and In-County Arraignments

Before development of OakVideo Oakland County officers created a police report, copied that report, drove to the Prosecutors Office, presented the case to the prosecutor, prosecutor issued the warrant, complaint and subpoena and the officer drove back to the police department.

Copies of the police report, warrant, complaint and subpoena were then made for the court. Two officers would take paperwork and transport the defendant to court. They would turn in paperwork, wait their turn in court and the "Swear To" after which the arraignment would take place. The officers would wait for the court paperwork. If the defendant posted bond, the defendant would be free and the two officers would return to their police department. If the defendant did not post bond, two officers would then transport the defendant to Oakland County Jail, wait for the defendant to be processed into jail and then drive back their police department.

With the use of OakVideo one officer creates the report in OakVideo, queues the folder to Prosecutor office, at a later time they check the folder for issued warrant, queue the paperwork to court and arrange a time for swear to and arraignment.

At the appointed time the officer would swear to the complaint via video camera at his agency and then place the defendant in front of the camera for the arraignment.

If the defendant posted bond, the officer would check the OakVideo folder for court paperwork and the defendant would leave.

If the defendant could not post bond, then the defendant would be put on an Oakland County bus transport to Oakland County Jail or the agency would transport the defendant to Oakland County Jail.

Weekend/Holiday Arraignment

Prior to OakVideo Police Agencies in Oakland County would send two officers and the defendant to a courtroom located in Pontiac, Michigan. The officers would turn in paperwork; wait for their turn in court and depending on the bond, transport the defendant to Oakland County Jail and return to their agency.

The process is now completed by OakVideo document transfer and video arraignment from the police stations. If the defendant does not post bond he is transported to Oakland County Jail at a later time convenient to the police agency (such as shift change when more officers are available and two officers would not be pulled from road duty).

Other Related Redeployment Benefits

There are other related times redeployment benefits of OakVideo. Such as when officers send paperwork ahead to court so it is ready when they arrive, conducting swear-tos via video on Not In-Custody warrants, obtaining search warrants thru the document transfer system and video arraignments to prisons in Michigan. These benefits have not been calculated in this report as they do not represent a large number of FTE's at this juncture.

Video Arraignment - Process Comparison

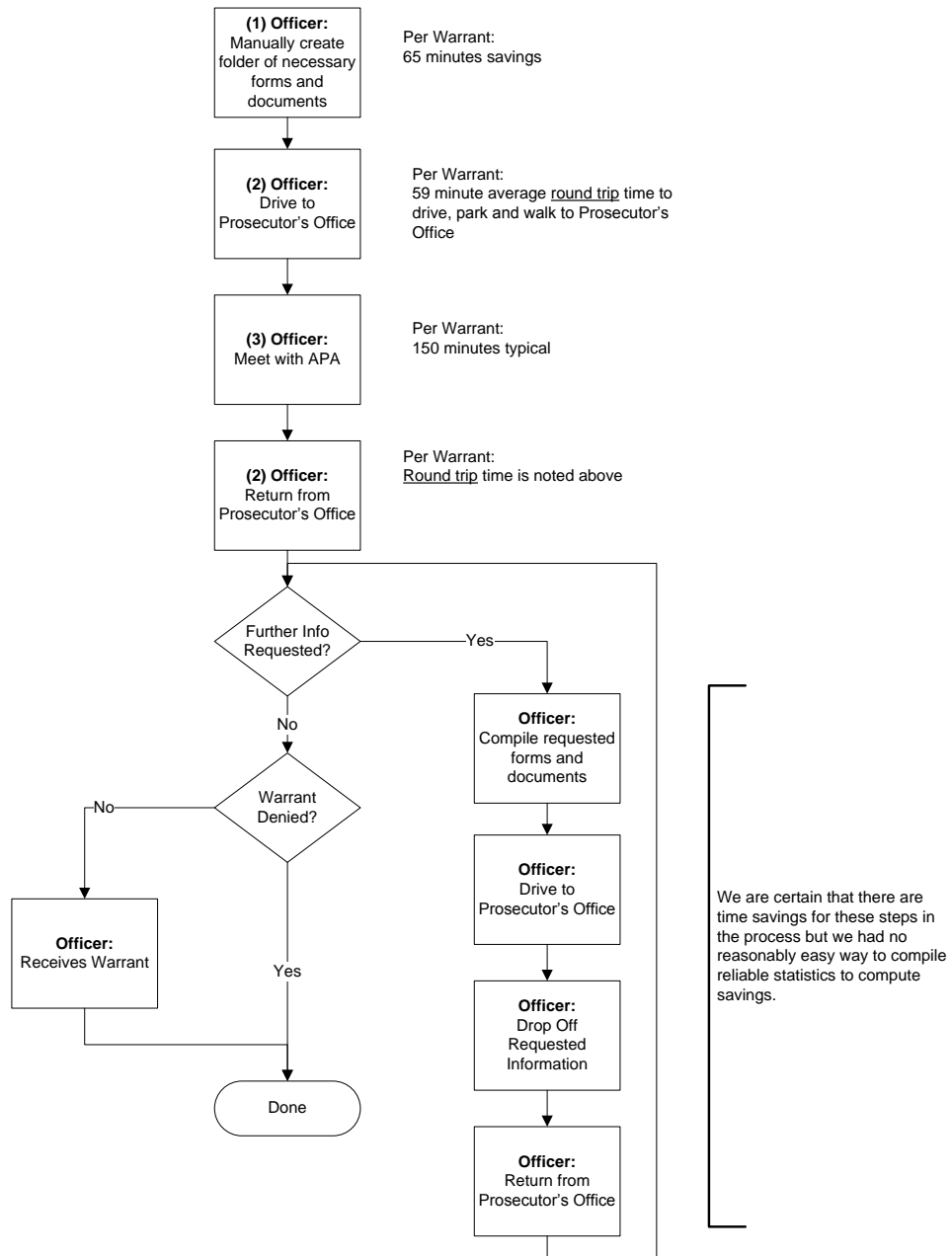
Process Comparison	
Legacy System	Current System
Warrant Request	
Officer manually created folder and prepared necessary forms and documents	Officer prepares and scans paper documents, as needed. Many documents can be easily imported from NetRMS into to OV folder. Submission checklist is largely automated. <u>(1) Savings; 65 minutes per warrant request</u>
Officer drove to Prosecutor's Office, parked and made way to office	Officer queues documents prepared above in OakVideo. <u>(2) Savings: Round trip 50 minutes average travel time plus 5 minutes to park and make way to Prosecutor's Office.</u>
Officer Wait for turn and then meet with APA which included time for the Assistant Prosecuting Attorney (APA) to read documents and/or interview officer about contents.	Typically the officer simply waits for APA to return Warrant via OakVideo or, less frequently, for call for more information. <u>(3) Savings: 2.5 hours typical.</u>
Officer return to station from Prosecutor's Office	<u>(2) Savings: Included in round trip time above</u>
If Further Information is requested, the Officer compiled the requested forms and drove back to the Prosecutor's Office to deliver then returned to the station?	We are certain that there are savings but we found no reliable statistics or records that would allow us to compute savings. As a result, no savings are claimed for this process.
In-County Arraignments	
Officer manually obtains folder(s) containing necessary forms and documents	Officer queues documents in OakVideo calls for arraignment time. <u>(4) Savings; 2 minutes per arraignment</u>
Officer drove to District Court and placed defendant in court lock-up.	Officer, at scheduled time, establish video connection. <u>(5) Savings; 13 minutes average travel time per arraignment.</u>

Process Comparison	
Legacy System	Current System
Officer turned in paperwork, was present while arraignment takes place and bond set, then waited for court paperwork.	Officer attends arraignment from station via OakVideo and bond is set. Officer is free to continue with regular assignments and check back later for paperwork. <u>(6) Savings: 39 minutes per arraignment turning in and waiting for court paperwork.</u>
If defendant is released, posts bond or is picked up by the OCSO transport; the officers return to the station. This occurs an estimated 32% of the arraignments.	Return trip to the station is eliminated. <u>(7) Savings: 13 minutes average travel time per arraignment for 32% of the arraignments.</u>
Officer transported the defendant to jail, processed them into the jail and returned to station.	Since the defendant is still in the local lock-up, the use of OakVideo allows the transfer to jail to be scheduled such that there is no impact on patrol assignments in the community. <u>(8) Savings: 22 minutes travel time from District Court to the Jail; 20 minutes for Jail processing; 25 minutes travel time from Jail to the station.</u>
Weekend/Holiday Arraignments	
<p>Note: This was always a two-officer detail. Before OakVideo, Officers were either paid overtime or were pulled from patrol duties. Typically the entire court process takes four hours regardless of the number defendants involved so this measurement is based on a per day basis. In cases where the defendant cannot post bond, officers transport them to jail, process-in and return to the station. With OakVideo, defendants are still in the local lock-up and can be transported at a time that minimizes impact on patrol assignments.</p> <p><u>(9) Savings: 4 hours each for 2 officers per arraignment day</u></p>	

Video Arraignment - Workflow Diagrams

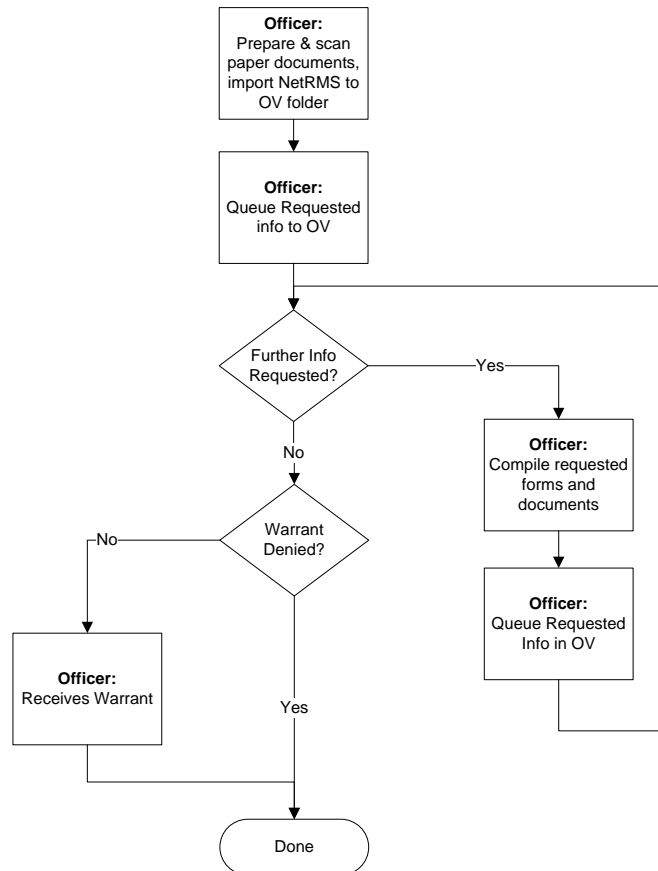
Legacy Warrant Request

Friday, September 10, 2010



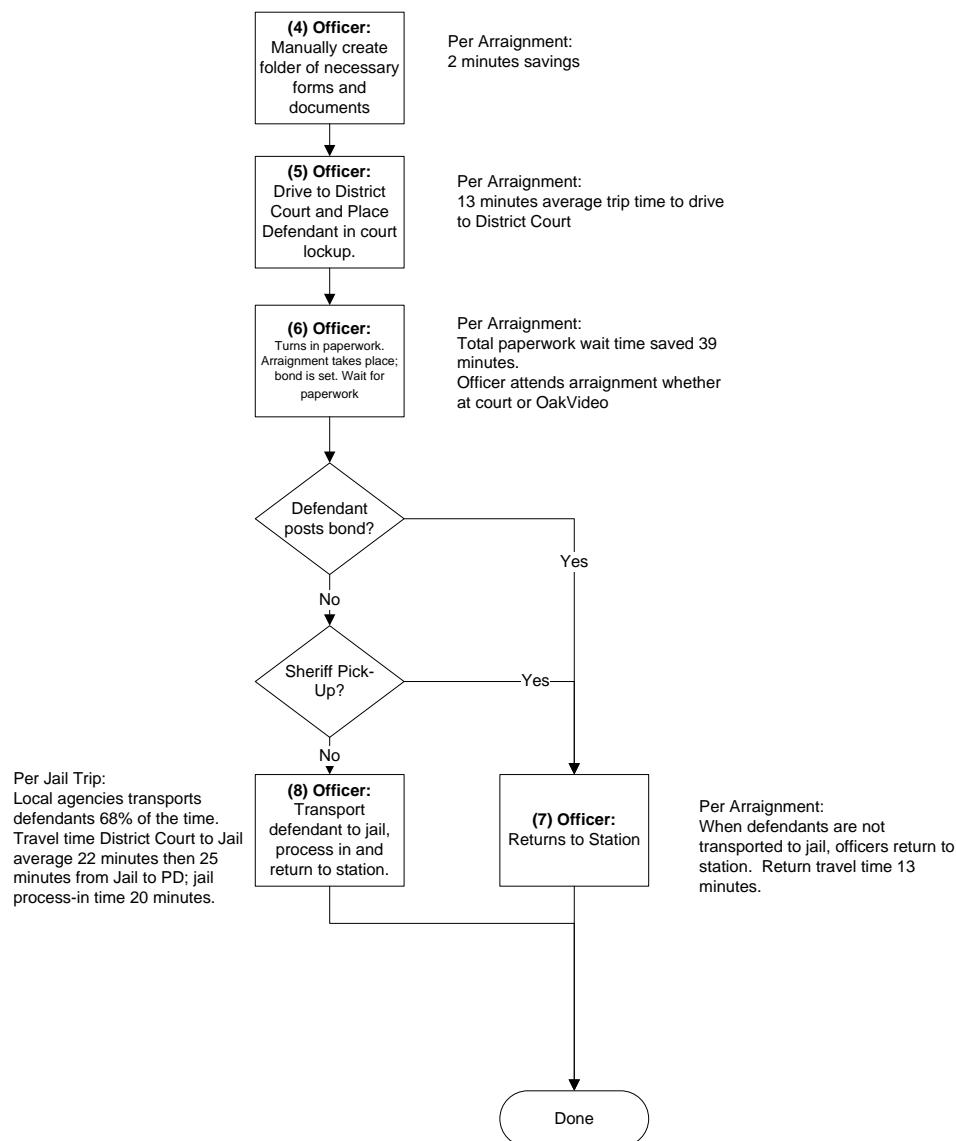
CLEMIS OakVideo Warrant Request

Monday, September 13, 2010



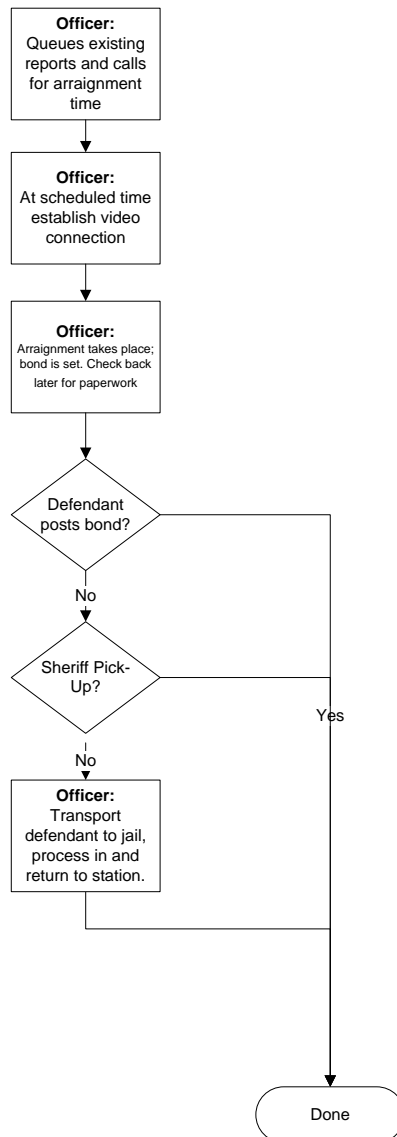
Legacy In-County Arraignment

Monday, September 13, 2010



Current In-County Arraignment

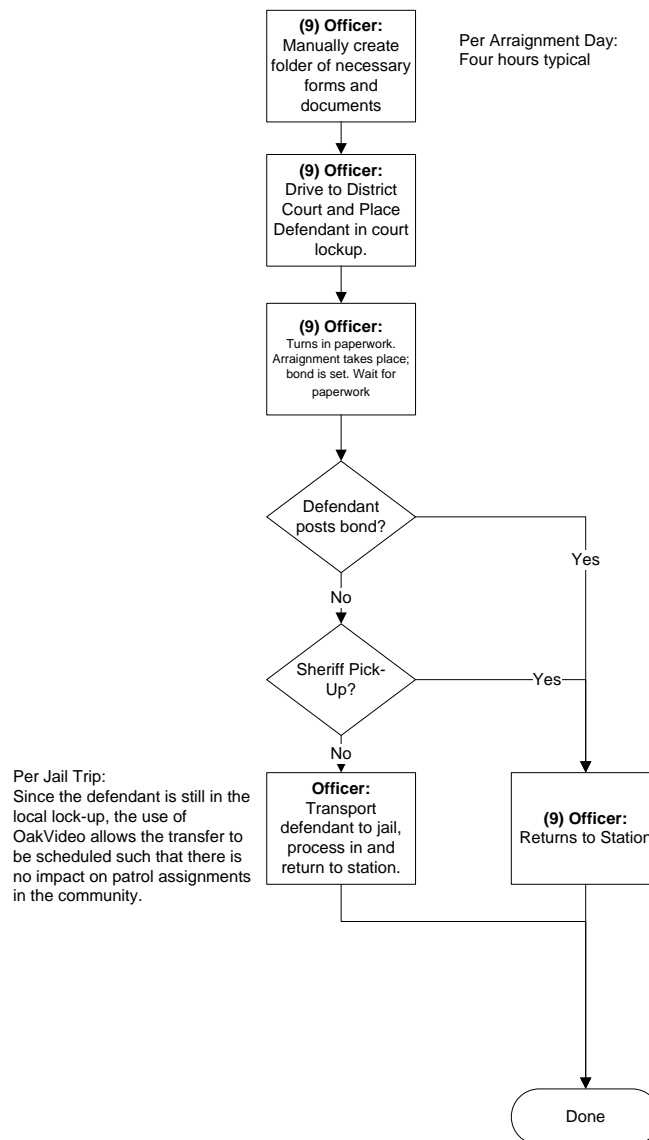
Monday, September 13, 2010



Legacy Weekend/Holiday Arraignment

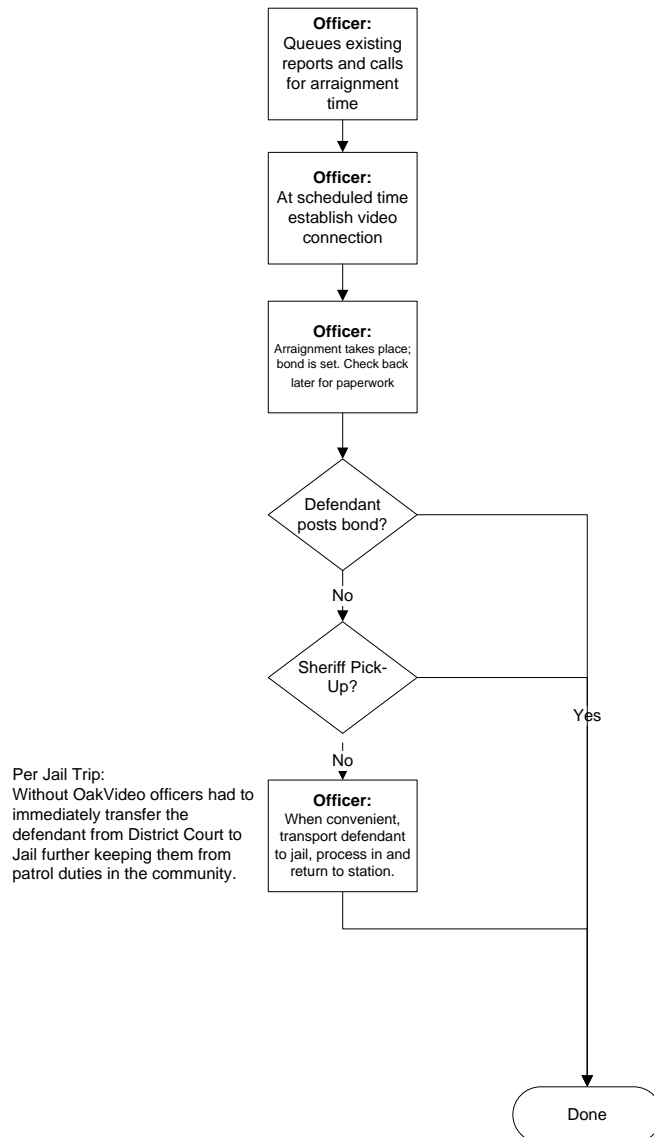
Monday, September 13, 2010

Note: This was always a two-officer detail. Before OakVideo, Officers were either paid overtime or were pulled from patrol duties. Typically the entire court process takes four hours regardless of the number defendants involved so this measurement is based on a per day basis. In cases where the defendant cannot post bond, officers transport them to jail, process-in and return to the station. With OakVideo, defendants are still in the local lock-up and can be transported at a time that minimizes impact on patrol assignments.



Current Weekend/Holiday Arraignment

Monday, September 13, 2010



Video Arraignment - FTE Timesaving Worksheet

COPS Parameters	
Hours per year	1,824

Data Input	
Number Warrant Requests	8,380
Number In-County Arraignments (2-officer)	16,908
Number In-County Arraignments (1-officer)	3,384
Percent Arraignments taken to Jail	68%
Number Weekend/Holiday Arraignment Days	1,056
Percent Wkend/Holiday Arrgn No Bonds	27%
Avg One-Way Trip - PD - D. Court	13.00
Avg One-Way Trip - D. Court - Jail	22.00
Avg One-Way Trip - PD - Prosecutor's Office/Jail	25.00
Avg Park/Walk - PD - Prosecutor's Office	5.00

Two-officer detail
 One-officer detail
 Percent that are transported to Jail
 Total Number of Days All Agencies
 Percent that do not post bond & go to Jail

Parameters

Savings Calculation

<u>Warrant Requests:</u>	Minutes	Minutes	
(1) Reduced Manual Prep Time	65.00	544,700	# Warrant Reqs * minutes prep
(2) Reduced Travel Time to Prosecutor	50.00	419,000	# Warrant Reqs * minutes RT Time
(3) Reduced Office Wait/Visit	150.00	1,257,000	# Warrant Reqs * minutes Office time

Warrant Requests Savings: **2,220,700** Sum of above

<u>In-County Arraignments:</u>	Minutes	Minutes	
(4) Reduced Manual Prep Time	2.00	40,584	# Total Arrgn * minutes prep
(5) Reduced Travel Time PD to District Court	13.00	483,600	(# 2-man * 2 + # 1-man) * Mins
(6) Reduced District Court Wait Time	39.00	1,450,800	(# 2-man * 2 + # 1-man) * Mins Wait
(7) Reduced Travel Time from Court to PD	13.00	154,752	(# 2-man * 2 + # 1-man) * % Not Jail * Mins
(8) Reduced Travel Time from Court to Jail to Station	47.00	1,188,912	(# 2-man * 2 + # 1-man) * % Jail * Mins
(8) Reduced Wait Time for Process at Jail	20.00	505,920	(# 2-man * 2 + # 1-man) * % Jail * Mins Wait

3,824,568 Sum of above

<u>Weekend/Holiday Arraignments:</u>	Minutes	Minutes	
(9) Reduced Time for an Arraignment Day	240.00	506,880	# Weekend Arrgn * daily savings * 2 officers

Warrant Requests Savings: **506,880** Sum of above

Total OakVideo FTE Timesaving: 59.87

Community Oriented Programs

Overview

Below are lists of community-oriented programs by agency for many of the CLEMIS members. For the most part, these programs began after technology from the CLEMIS project funded by the COPS MORE began to be delivered. There was no reporting mechanism in place to directly tie timesaving realized as a result of the new technology to these programs.

List of Community Oriented Programs by Agency

List of Community Oriented Programs by Agency
Auburn Hills PD
Bicycle Safety Programs: Partnership with local service clubs to teach children bicycle safety. Status: Active
Block Party Visits/Neighborhood Watch: Partnership with neighborhood groups to prevent and report crime. Status: Active
Child Car Seat Safety Inspections Program: Officers check the installation of child restraint systems in people's cars. Status: Active
Citizen's Police Academy: Program to educate community members about the police and the criminal justice system. Status: Active
Click It or Ticket: Seatbelt enforcement project. Status: Active
Community Coalition Workshops – Youth Dialog Day: Partnership with schools and parent groups to work against peer pressure and drugs among youth. Status: Active
Crime Alert – NIXLE: Electronic alerts for traffic, weather or crime notifications. Status: Active
Crime Prevention Notice Program: Officers leave notice on cars or at residences when they notice crime opportunities requesting people to take steps to prevent themselves from becoming a victim. Status: Active
Critical Incident Protocols: Partnerships with local large businesses vulnerable to terrorist activity or other critical incidents to plan joint response between private security and police. Status: Active
Gun Lock Give Away: Give gun locks when people register guns. Status: Active
Jail Diversion: Officers take mentally ill people to Community Mental Health instead of arrest for minor violations. Status: Active
National Night Out: Annual party to “throw crime and drugs a going away party” community celebration in support of crime prevention. Status: Active
Operation Night Hawk: Partnership with Probation Department to assist in home visits with probationers. Status: Active
Police Bike Patrol Program: Officer patrol on bicycles in parks, neighborhoods and on bike paths. Status: Active
Prom and Graduation Safety: Crime prevention officer contacts schools and parents to warn about the dangers of hotel/house parties and emphasize that enforcement action will be taken. Status: Active
START Program: Partnership with HAVEN to investigate CSC crimes and help CSC victims. Status: Active
TIPS – Training for Intervention Procedures: Officers provide training for alcohol servers in restaurant/bar businesses to combat disorder/drunk driving problems. Status: Active

List of Community Oriented Programs by Agency
You Drink You Drive You Lose: DUI enforcement project. Status: Active
Beverly Hills PS
A Child Is Missing Program: Provides telephone fan-out to geographic radius that may assist in locating a missing or challenged child or adult. Status: Active
Adopt-a-Senior Program: Features home visits, simple chores, gift cards/baskets for seniors without direct family ties locally. Status: Active
Crime Alert Program (NIXLE.com): Provides activity summary, crime reports and trends to public on an instant basis to cell phones or email account. Status: Active
Crime Prevention Notice Program: Notifies residents of efforts they can take to better protect themselves from victimization. Status: Active
Knox Box Program (commercial/civic in 2005 and residential in 2009): Operates closely with the department's Adopt-a-Senior program to provide 24/7 access to school, commercial property and senior citizen residences in an emergency without waiting for a key-holder. Status: Active
Oakland County Narcotics Enforcement Team (NET): To assist staffing a multi-agency drug task force. Status: Withdrew in October 2009 due to budget issues.
Birmingham PD
Business District Bicycle and Motorcycle Patrols: The department has seven bicycles and two motorcycles that officers have been trained to ride. The officers ride throughout the central business district in an effort to increase contacts with children, adults and motorists. The bicycles and motorcycles also allow for rapid response to business locations in the downtown business district during high traffic hours. Status: Active
School Lockdown Simulation Exercises: The department, in conjunction with the local school district, conducts school lockdowns at all schools within the city. The department sends three to four officers to each school to conduct a complete lockdown of the school with school officials. In the event of an active shooter scenario or other serious life threatening event, these lockdowns are critical to ensuring maximum safety for students and staff. Status: Active
"DROP" Program: The department works with the school district to promote the DROP program (Drop Everything and Read). The department assigns several officers to local elementary schools to read books to the students while in uniform. The program is designed to promote reading among young children and to promote positive police contact with young children. Status: Active
Adopt-A-Senior Program: A cornerstone program of the department where senior citizens living alone are identified and assigned to an officer for routine visits. The officer will check on the senior's welfare and handle any miscellaneous tasks. Additionally, officers on the department also assist with lawn care and maintenance, snow removal and home repairs. This has been an exceptionally successful program, helping a large number of senior citizens. Status: Active
Alcohol Sales Decoy Operation: The department goes to every business in the city that sells alcohol and uses an underage teenager to conduct a controlled purchase of alcohol products. The program is designed to ensure compliance with the law and provide information and feedback to business owners concerning the use of alcohol products by underage users. Status: Active
Barney Bear Program: The department distributes stuffed animal bears to children under stressful circumstances. The program is designed to comfort innocent, third party children that are in or have experienced a stressful situation, i.e. arrest of parent, physical or mental abuse. Status: Active
Bicycle Safety Program: The department works with the local school district (Birmingham Public Schools) during bicycle safety week to promote helmet use and safe riding habits. Status: Active

List of Community Oriented Programs by Agency
Birmingham Community Coalition: The department works with coalition by providing status updates on current trends with Birmingham youth including promoting anti-tobacco use. Status: Active
Block Party Visits: The department sends an officer out to any block party in the city when requested; either in a car, motorcycle or bicycle. Status: Active
Care House: The department works with the team at Care House to assist children who may have been victims or physical or mental abuse. Status: Active
Child Car Safety Seat Inspection Program: The department accepts appointments from citizens who wish to learn how to safely install child safety seats. Status: Active
Click It or Ticket: The department participates in the statewide "Ticket or Click It" promotion. The officers work selective traffic enforcement in groups to increase safety belt awareness and use. Status: Active
CROP Walk: The department works with community groups to support various charitable activities such as the CROP WALK. The department provides officers to ensure safety on the various routes. Status: Active
Emergency Preparedness: The department works with fire department to promote community awareness for emergency preparedness for interested citizens and city staff. Status: Active
Gun Lock Giveaways: The department provides gun locks at the police department for any citizen requesting one to promote gun safety. Status: Active
Healthy Kids Day: In partnership with the local YMCA, the department holds a one day event for children to promote child safety and health. Status: Active
High School Driver Education Training: The department provides the local high school with an officer for a number of informational meetings with students who are about to embark on their driving careers. Status: Discontinued when driver's training was privatized (2002).
High School Government Class Student Ride-A-Longs: The department works with the local high school to have every student taking "government" ride with a police officer for at least two hours. The student learns the role of the police in society and the powers and limitations of the police role. Status: Active
Jail Diversion Program: In an effort to better channel criminal defendants to the most appropriate program for their benefit, the department teamed with Easter Seals to promote alternatives to incarceration with defendants with mental issues. Status: Active
Municipal Cable Television Programs: The department, on two occasions, has supplied an officer to the local municipal cable provider to provide commentary on two series. The first series was on how the Birmingham Police Department operates and the second series was on personal and home safety. Status: Active
Neighborhood Association Speaking Engagements: The department will send an officer out to any neighborhood association meeting to discuss any topic of interest. The purpose of this program is to strengthen police community relations. Status: Active
Residential Bicycle and Motorcycle Patrols: The department has seven bicycles and two motorcycles that officers have been trained to ride. The officers ride through the neighborhoods in an effort to increase contacts with children and adults. Status: Active
Senior Citizen "File of Life" Program: The department, in association with the Birmingham Area Senior Coordinating Council (BASCC), works with seniors to have an up-to-date list of their medications in an accessible area of their home to assist responding emergency personnel with proper treatment. Status: Active
START Program: The department participates in the START program for victims of sexual assault. Status: Active
Student Internships: The department works with all universities/colleges to accept students interested in law enforcement careers by providing them with an opportunity to conduct their internship at our department. Status: Active

List of Community Oriented Programs by Agency
Tobacco Sales Decoy Operation: The department goes to every business location in the city that sells tobacco products and uses an underage teenager to conduct a controlled purchase of tobacco products. The program is designed to ensure compliance with the law and provide information and feedback to store owners concerning the use of tobacco products by underage users. Status: Active
Tornado Week Education Program: In cooperation with the fire department, the department promotes tornado awareness training and information for citizens and students within the local school district. Status: Active
Uptown Foot Patrol: The department deploys two to three officers in the downtown business district on Thursday, Friday and Saturday nights (8 pm to 12 am) to address juvenile issues, business owner issues, citizen complaints and alcohol enforcement activities. These officers make numerous positive citizen contacts. Status: Active
Bloomfield Twp. PD
Building Pre-Planning: Review various building plans with the department's traffic sergeant to assess crime prevention and traffic impact aspects. Status: Active
Child Car Seat Inspections: Police officer who is certified as a Child Car Seat Safety Technician provides free car seat inspections. Inspections are available on a walk-in basis during the hours when the officer is working as well as during car seat inspection events held at various times throughout the year. Status: Active
Click It or Ticket Patrol: Participates in the Click It or Ticket state-sponsored events. This program is a safety initiative which raises public awareness on the importance of wearing safety belts. Status: Active
Community Communications: Be interviewed by newspapers and television news programs concerning crime prevention measures for their consumers. Appear as a guest and as a host on cable TV programs concerning topics of interest to the community, including crime prevention and interaction of Township residents with the local wildlife.
Conduct child fingerprinting activities at school fairs, during station tours, or for individual Township residents.
Crime Data: Provide crime statistics for residents and people considering moving into the Township. Status: Active
Developing crime prevention literature for the community, which is far more cost effective than purchasing unreliable commercial products.
Gun Lock Give Away: Provides gun locks at the police department for any citizen requesting one to promote gun safety. Status: Active
Home and Business Security Surveys: The purpose of these free surveys is to minimize the vulnerability of the property to various criminal activities. Status: Active
Miscellaneous Programs: Develop and present programs for various civic groups, including: Internet safety for teens, Internet safety for parents, abduction prevention, drug and alcohol abuse for teens, dating violence prevention for teens, babysitting safety, and assist in training of Community Emergency Response Team (CERT) members. Status: Active
Mountain Bike Patrols: Officers are trained in police mountain bike operations provide highly visible police presence in the community. Officers patrol business districts and residential areas within the Township as well as public areas such as parks. Status: Active
Neighborhood Watch: Meeting with neighborhood associations to discuss a myriad of topics, including: neighborhood safety, home security, current crime trends, starting a website or blog for the association for the more timely dissemination of information, the Michigan Sex Offender Registry, etc. Status: Active
Station Tours: Conducting station tours for various groups, explaining the basics of police operations, dispatch operations, and processing of prisoners. Status: Active

List of Community Oriented Programs by Agency	
Canton PD	
A Child is Missing Program: The Department participates with the program in the event of a missing child or missing elderly person. Status: Active	
Bicycle Safety Programs: Officers from the Mountain Bike Unit will go to local schools in the spring and talk to the children about the importance of wearing helmets and other protective gear while riding their bikes. Status: Active	
Business Watch Program: The Department participates with local businesses to keep them informed of crime trends and crime prevention tips specific to local business through a series of email lists. Status: Active	
Click It or Ticket: The Department participates in all of the Click It or Ticket state sponsored events. This program is a safety initiative. The program brings awareness to the public in regards to wearing safety belts. Status: Active	
Community Oriented Programs for the Canton Police Department	
Community Outreach Program: The Department through it's concept of Community Policing will send officers and other resources to local block parties and church events. This program is focused on the entire community in an attempt to introduce officers to local residents. Status: Active	
Community Watch Program: The department participates with home owner associations and condominium associations in an attempt to keep them informed of crime trends and crime prevention tips through a series of email lists. Status: Active	
Drugs 101: What Every Parent Should Know: This program is a drug awareness seminar focusing on teaching parents what they need to know about drugs and the possible impact on their children. The program is sponsored through St Joseph Hospital. Status: Active	
Emergency Management Planner: The Department has a full time Emergency Preparedness Coordinator. The office provides information and training to local residents in the area of staying prepared in the event of disasters. Status: Active	
Explorer Program: The Department provides opportunities for young men and women to learn about the various aspects of law enforcement. Status: Active	
Internship Program: The Department provides opportunities for local college students to obtain hands-on experience in law enforcement, through observing the duties of officers performing their various job tasks. Status: Active	
Mountain Bike Unit: The Department has several officers assigned to this unit. They participate in the program in addition to their regular patrol duties. They are used to perform patrol functions in parks and shopping centers Township wide. Status: Active	
Narcotics Suppression Unit: The Department currently has two officers assigned to a narcotics suppression unit. These officers are responsible for investigating leads as they relate to narcotics trafficking throughout the community. Status: Active	
NIXLE: The Department participates with the web based company to provide crime alerts, road problems, and information on crime trends. This is free service provided to any resident who wishes to subscribe. Status: Active	
Senior Safe, Sound and Secure: This is an annual event sponsored by the Department. The focus is on local senior citizens. The event brings in speakers for different topics with the theme being staying safe in your home and in your community. Status: Active	
Senior Safety Coalition: This is a board made up of local seniors. They meet bi-monthly and address concerns relating to public safety issues. Status: Active	
Senior Watch Program: The Department participates with local senior citizens to keep them informed of crime trends and crime prevention tips specific to seniors through a series of email lists. Status: Active	

List of Community Oriented Programs by Agency	
The T.E.A.M. Program: The Department participates in a program which sends officers to local schools to provide mentoring and guidance for children. The program targets children ages ten through twelve. Status: Active	
Website: The Department maintains a website which is dedicated to providing the public with up to date information on current events and crime statistics for the patrol areas within the Township. Status: Active	
Clinton Twp. PD	
Bicycle Safety: Bike Patrol Officers give Bicycle Safety presentations throughout the school year to all Elementary grades. Every summer we hold a Bike Rodeo with co-sponsors such as Mt. Clemens General Hospital and K-Mart (this usually involves younger children). We also hold a Cops & Kids Fun Day during the summer and our Bike Patrol participates in this as well. We give away and fit free helmets to the children at both summer events. Status: Active	
Block Party Visits: Our Support Services Captain is invited to attend these events. Usually the invitations come from the Neighborhood Watch groups. Status: Active	
Child Car Seat Safety Inspection: We have Officers who set aside time during the week for inspections as well as demonstrations throughout the year. Status: Active	
CHILD Watch: We have had this program for three years, working with the Macomb County Sheriffs Dept. Status: Active	
City Watch: Telephone alerts for missing/endangered persons. When program was new the Township aired programs describing City Watch and explaining how and when it will be used. Status: Active	
Click It or Ticket: Click It or Ticket Details are assigned as needed during the year in conjunction with MSP. Status: Active	
Community Coalition Workshops: Our Department is asked to attend meetings and discuss Domestic Violence and address Drug problems on a per request basis. Status: Active	
Crime Prevention Programs (Neighborhood Watch): We have a number of Neighborhood Watch groups that hold monthly meetings. We provide crime stats for the group's meeting, as well at the attendance of our Support Services Captain. Status: Active	
Emergency Preparedness Drills: We usually have two drills per year. Active Shooter drills at a local High School and/or Township wide drills for whatever emergency is going to be simulated. The drills at the High School are especially educational because they are done real time while classes are in session. Status: Active	
Internship Program: We have an internship program every two years. Status: Active	
Mountain Bike Program: This is our Bike Patrol unit and they are used throughout the year for community policing. Status: Active	
Narcotics Suppression Unit: We have a dedicated Special Investigations Unit that works throughout the year. Status: Active	
SANE: Partnership with forensic nurses to tend to CSC victims. Status: Active	
Farmington Hills PD	
A Child is Missing Program: Telephone alerts for missing kids or elderly persons. Status: Active	
Anonymous Drug Analysis Status: Active	
Click It or Ticket Status: Active	
Community Coalition Workshops (Drugs and Domestic Violence) Status: Active	
Crime Alert Program (electronic crime alerts) Status: Active	
Crime Prevention Kid's Club Patrol School Status: Active	
Daycare Alert Status: Active	

List of Community Oriented Programs by Agency
Emergency Preparedness (participate in an Emergency Preparedness Commission and educational programs) Status: Active
Gun Lock Give Away Program Status: Active
Helmet Safety Status: Active
Hunter Safety Status: Active
Internship Program Status: Active
Jail Diversion Program Status: Active
Michigan Community Child Watch Status: Active
Multicultural Multiracial Council (community events, educational programs, Heritage Week) Status: Active
S.O.N.I.C., D.P.U. Status: Active
Senior Safety Program Status: Active
Sobriety Court Home Visit Program Status: Active
START Program: Partnership with forensic nurses to tend CSC victims. Status: Active
Turn-Around Achievement Program: Partnership with Observer, Farmington Schools to recognize students who turned their lives around. Status: Active
Women's Safety Classes Status: Active
Farmington PD
Block Parties: Department personnel visit neighborhood block parties with police cars and fire trucks, and distribute crime and fire prevention materials. Status: Active
Child Car Seat Safety Inspection: Citizens can have their child's car seat inspected for safety, proper installation and compliance with State law by the department's fire marshal. The department also has a limited number of free car seats to distribute. Status: Active
Click It Or Ticket: In addition to regular seatbelt enforcement, the department participates in annual Memorial Day selective enforcement initiatives. Such initiatives save lives, reduce injuries, and help keep Michigan 94% compliant. Status: Active
Crime Alerts: Subscribing residents receive regular e-mail crime alerts, monthly crime reports and crime prevention tips. Status: Active
Crime Prevention Notice Program: Public safety officers issue crime prevention notices and warnings to residents. Examples include warnings issued to residents who leave valuables unattended, doors unlocked or garage doors open. Status: Active
Crime Watch Website: Farmingtonpublicsafety.com is the web address. The site features crime statistics, Neighborhood Watch information, annual reports and other items of interest. Status: Active
First Aid, Emergency Program: The department participates in several educational programs such as the Emergency Preparedness Commission. Status: Active
Foot Beat Patrols: Public Safety Officers are assigned to foot patrols in the downtown center and at special events. Status: Active
Fraud-Net: Detectives fight fraud and bank crimes with an on-line data base linking bankers and law enforcement officers. The partnership promotes crime prevention and helps solve crimes. Status: Active
Gun Lock Giveaway Program: The department gives away free locks to residents to promote gun safety. Status: Active
Jail Diversion Program: Public safety personnel are trained to divert mentally ill prisoners into treatment facilities as an alternative to jail. Status: Active
Knox Box Program: The department coordinates the installation of security boxes for elderly or Status: Active

List of Community Oriented Programs by Agency
MiHAN: The department partnered with the Michigan Health Alert Network to electronically receive critical emergency public health information. Public safety officers utilize the information to properly respond to public health emergencies. Status: Active
Missing Children Programs: The department participates in child identification efforts. Policies and procedures are in place for quick activation of "Amber Alert" and "A Child Is Missing" programs. One thousand residents a minute can be notified by telephone to watch for a child. Status: Active
Narcotics Suppression Unit (NSU): Specially selected officers investigate illegal drug tips, execute search warrants and arrests drug offenders. Status: Active
Selective Enforcement Program: Patrol officers conduct weekly selective traffic enforcement details at various locations throughout the city, several at the request of residents and Traffic and Safety Board members. Status: Active
Sobriety Court Home Visit Program: Selected commander staff and officers visit the homes of residents arrested for drunken driving to encourage sobriety. Status: Active
Start: The department participates in the Safe Therapeutic Response Team. Investigators are partnered with specially trained forensic nurses to collect sexual assault evidence and counsel sexual assault victims. Status: Active
Waste Watch: The department partnered with community Waste Management workers who are trained to act as extra eyes and ears to report crime. Status: Active
Weather Education Program: The fire marshal coordinates weather and tornado alert publications for free distribution to the public. The department also promotes public education and notification during tornados and severe weather alert month. Status: Active
Ferndale PD
Bicycle Safety Program: Co-sponsorship with Ferndale Fire and Recreation Departments in an annual Bicycle Rodeo. The event includes: free bicycle helmets provided by the Ferndale Rotary Club, a bicycle skills course, free bicycle repair clinic provided by a local bike shop, free bicycle registrations and literature, instruction and hand outs on safe riding. In 2009, the Department participated in a head injury prevention project that promoted the wearing of bicycle helmets. Officers would stop children who were riding bicycles and wearing helmets and award them a voucher for a free ice cream at McDonalds. This program promoted the wearing of bicycle helmets and created goodwill for the Police Department. Status: Active
Child Car Seat Safety Inspection Program: The Child Car Safety Inspection Program was designed to provide the citizens of Ferndale with the opportunity to have their child safety seats inspected by a Ferndale Police Officer. The Officer doing the inspections has been certified in his/her training to give the inspections. Citizens also at various times have had the opportunity to acquire safety seats free of charge through this program. Status: Active
Click it or Ticket campaign: The click it or Ticket campaign consists of a targeted area of officers working with the sole purpose of stopping those who violate the Michigan seatbelt law. Status: Periodic throughout the year
Crime Prevention Notice: The Crime Prevention Notice program allows officers on the road to notify homeowners of various problems with their home or autos should they arise. The department has purchased door tags which hang on the front door of homes and have various pre-printed areas of concern that officers routinely find. These boxes can be checked and thereby notifying the owner of concerns found by the officer on scene. Status: Active
Downtown Detail: Every Friday and Saturday night, as well as Holiday evenings, a minimum of four FPD officers are assigned permanently to the downtown area of the City. This details purpose is to make their presence known in the bars and restaurants, to check for overcrowding, to take any report calls, to quell any fights or disturbances should they arise, as well as to curb possible drunk driving by being a constant presence. Status: Active

List of Community Oriented Programs by Agency	
Evidence Technician Program: The FPD Evidence Technician program consists of several highly trained officers who investigate crime scenes for evidence. These officers are trained in fingerprinting, casting, photography and numerous other fields. These officers also routinely will interact with the public and advise them on how they may have or can protect themselves from criminal activity in the future. Status: Active	
Foot Beat Patrols: Numerous times throughout the year, officers will focus their patrols to foot traffic in the downtown area of the city. During this time, officers walk the area looking for crime and interact with the public that may not normally occur when riding in the patrol vehicle. Status: Active	
Gun Lock Give-Away Program: The Ferndale Police Department handles the firearm lock program in cooperation with Project Child Safe. Project Child Safe has been providing the locks to the Police Department for several years now and the locks are offered to anyone that is picking up a pistol purchase permit or a CPL application packet. While the program specifically targets citizens that are making new purchases the availability of locks for all of their firearms is emphasized and they are encouraged to pick one up for each firearm they own. Status: Active	
Internship Program: The FPD internship program provides college students who wish to pursue a career in law enforcement an opportunity to train with officers thereby gaining knowledge, experience, and college credit. Status: Available upon request and application	
Knox Box Program: The Knox Box Program was initiated by the Ferndale Fire Dept. This program allows fire and police personnel to gain entry to buildings should an emergency arise and an owner or representative is not on scene. Status: Continuous	
Mountain Bicycle Program: The FPD Mountain Bicycle Program allows officers an opportunity to ride mountain bikes during their shifts and during special events. This program has proven to be both an excellent law enforcement tool as well as a public relations tool. The FPD has just recently updated their fleet with four new bicycles for the 2010 year. Status: Active	
Narcotics Suppression Unit: The Ferndale Police Dept lends an officer to both the Oakland County Narcotic Unit as well as the Drug Enforcement Agency in an attempt to suppress narcotics in and around our jurisdiction. This cooperative effort has proven to be both successful at prosecuting narcotics activities as well as gaining intelligence. Status: Active	
School Resource/Liaison: The Ferndale Police Department allocates an officer full-time to the Ferndale School district. This officer has an office at the Ferndale High School. This officer's functions include: reports in and around the schools, assistance to students should they require it, proactive police presence in the schools. Status: Active	
Smoke Alarm Give-away Program: In cooperation with the Ferndale Fire Dept, Ferndale officers will often times advise homeowners that they may attain smoke alarms free of charge from the Ferndale Fire Dept. These instances may occur during fire alarms, misc. alarms, or routine public relations visits. Status: Active	
Take Home Drug Kit Program: For a small fee, citizens may purchase a drug kit that may be taken home and used to test family members should they suspect drug use in the home. Status: Active	
Franklin PD	
A Child is Missing Program: Has been used while searching for missing elderly persons. Status: Active	
Block Party Night: Officers attend block parties or Neighborhood association parties. Status: Active	
Building Code Enforcement: Work closely with Building Dept. to address possible building code and zoning violations observed by police officers. Status: Active	
Emergency Preparedness: Presentation at community meeting on Police & Fire Department preparedness for critical incidents. Status: Active	

List of Community Oriented Programs by Agency	
Gun Lock Give Away Program: Gun locks handed out to residents as they register their handguns. Status: Active	
Motorcycle Unit: Motorcycle officer dedicated to traffic enforcement. Status: Active	
NIXEL: Crime alerts and prevention messages via internet and text messaging. Status: Active	
S.A.D. Business Meetings: Quarterly meetings between police department and business owners to discuss crime trends and prevention. Status: Active	
Speed Sentry Radar: Speed radar installed on Franklin Road to alert drivers exceeding speed limit in downtown area. Status: Active	
Vacation House Checks: Periodic inspections by an officer of homes where owner is on vacation or away for long periods of time. Status: Active	
Fraser PS	
Bicycle Safety Status: Active	
Certified Child Safety Seat Technician Status: Active	
Child Seat Give away Status: Active	
Click It or Ticket Status: Active	
Crime Alert Status: Active	
Crime Prevention Notice Program Status: Active	
Crime Watch Website Status: Active	
FAN – Families Against Narcotics Status: Active	
Gun Lock Give Away Status: Active	
Mountain Bike Patrol Status: Active	
Special Investigation Unit (Narcotics Suppression) Status: Active	
Grosse Pointe Farms PS	
Bicycle Safety: Held at the end of school year for grade schools in Grosse Pointe Farms for safety awareness and issuing bike license. Status: Active	
Block Party: Fire and police personnel attend event to promote safety and answer questions about public safety. Status: Active	
Click It or Ticket: Program for gaining compliance on safety belt use by all drivers. Status: Active	
Gun Lock Give Away- Promotes safety for gun owners. Status: Ended 2006	
Internship Program: Offered to college students interested in a career in Public Safety. Status: Active	
Harper Woods PD	
A Child is Missing Program: The Police Department actively participates in the "Child is Missing" program. The program is designed to assist with the notification and recovery of missing children, the elderly and with disabled adults. Status: Active	
Bicycle Safety Program: Two officers were certified to conduct bicycle inspections specifically designed to target the children of the Community, although adults are also welcome. Officers attended several school functions and community fairs where safety inspections were conducted. Parents were also provided with educational material designed to assist them with self inspections. The program is still active. Status: Active	

List of Community Oriented Programs by Agency
Block Party Visits: Officers from the Command Unit visit block parties to communicate with residents to determine the quality of service being provided and to discover any problems being experienced by those in attendance. A gift of gun locks is supplied to those attending. The program is still active and is designed to target all members of our Community. Status: Active
Building Check Card: This card is designed specifically for business owners. This can be used for false alarms during the midnight hours as well as on weekends when businesses are closed and officers observe things out of the ordinary. Normally these are used when we can not contact a person that time. Officers follow up with the managers on the following day. Status: Active
Career Day: We participate in annual career days for the area schools. This is an all day event and gives the school kids information regarding law enforcement. The program also serves an opportunity for parents to "meet and greet" as well. Safety material is also handed out and we offer kids to do a walk through of the police department while learning the different aspects of what we do. Status: Active
Citizen Contacts: Each member of the Patrol Division is required, as part of their job requirement, to make at least one "Citizen Contact" with someone while on patrol on a weekly basis. The contact is designed to evaluate the quality of service being provided and to identify any problems being experienced throughout the City. Contacts include, but are not limited to citizen groups, residents, store owners, real state representatives, motorists, etc. Status: Active
Citizen Recognition Program: As part of our General Order for recognition of outstanding actions by our Officers throughout the year, the Police Department also recognizes citizen for contributions to the safety and quality of life of our residents. The program is designed to recognize citizens for actions such as assisting an officer during a dangerous incident, providing information that lead to an arrest during a serious violent crime, outstanding community involvement or similar actions. The program promotes a positive relationship with our Community and encourages involvement by our citizens. Status: Active
Citizen United for Safety (CUFS): The Police Department joined efforts with the Church of the Messiah and the Messiah Housing Group in Detroit in an effort to combat rising crime trends that fail to recognize city limit borders. Members of the Police Department participated in several Community events in Detroit, including driving the lead car in a crime awareness parade through the streets of Detroit. The CUFS program is now a national program encouraging partnerships between all members of an area to come up with combined solutions for issues affecting their neighborhoods. Status: Active
Click it or Ticket: The Police Department has been actively involved in the Click it or ticket program since its inception. The Patrol Division actively enforces the law throughout the year, but does give added attention during the specified program dates. A large banner is posted outside of our Agency and local businesses display the program posters at our request. We also publicize our efforts with our local media Status: Active
Court Ordered Breath Testing: The Police Department conducts Preliminary Breath Testing of criminal defendants at the front desk as part of a cooperative effort with the 32-A District Court. The program is still active and is designed to target adult offenders facing alcohol related offenses to assist in prevention additional alcohol related offenses. Status: Active
Crime Alert Program (NIXLE): The Police Department is enrolled in the NIXLE program where residents can sign up to receive electronic broadcasts of crime, traffic alerts, Community events and other such activity. There is no cost for residents to participate and the feedback from the Community has been overwhelmingly positive. Status: Active
Crime Awareness Presentations: Members from the Police Department participate in numerous presentations to citizen groups covering crime awareness and crime prevention. The program is designed to create awareness of existing problems and to reduce the opportunity of crime through education. Status: Active

List of Community Oriented Programs by Agency
<p>Crime Prevention Notice Program: The Patrol Division is constantly seeking ways to prevent crime before it occurs. One way that this mission is accomplished is by notifying residents of situations where they unknowingly exposed themselves to possible criminal activity. The officers have a fill in the blank notice notifying them of the activity that they discovered while on patrol. The officers also take corrective action where ever possible. The residents are advised on the specific problem found and they are encouraged to contact the police department for further assistance. Status: Active</p>
<p>Crime Prevention Program: The Police Department participates in a "Vacation Watch" program where residents are encouraged to notify the Police Department of pending vacations, to include the dates involved, lights being left on, emergency contacts, etc. Status: Active</p>
<p>Crossing Guard Program: The Police Department has a staff of adults that are assigned crossing duties to our various schools throughout the City. In addition, the Police Department assists the participating schools with their respective Safety Patrol Program. The Police Department organizes the swearing in ceremonies, schedules an award program at the end of each school year and assists with the selection of students that best presented their schools. These students are later presented with recognition from the City, the Police Department and their schools. The students are also awarded savings bonds purchased by the Police Officer Association of Harper Woods. Status: Active</p>
<p>Emergency Preparedness Program: Members of the Police Department participated in the on-line FEMA/ NIMS response program and successfully passed sections IS-100, ICS-200, IS-700 and IS-800. The program was designed to equip the officers with the basic skills necessary to understand the Unified Incident Command system and to participate in a disaster incident should one occur in the area. Status: Active</p>
<p>Gun Lock Give Away Program: In addition to block party give-a-ways, gun locks are supplied by request to all residents without cost at our front desk. Status: Active</p>
<p>Harper Woods Home Safety Card: This card is designed to fit on the door knob. .Officer's are encouraged to make observations while out on patrol and leave these cards for residents. These are two-fold. First they keep officers helping to make the community safer for residents. Second, they help the resident to understand and make their own homes safer. There are eleven different areas of concern on this cards in which to bring negative attention for criminals. Status: Active</p>
<p>HYTA: This is the Home Training Youth Act where we can use diversion and guidance for minors in the age group of 17-21 yrs. This helps with our court load and assists the parents in getting their kids back on the right track. This diverts a criminal offense to a non criminal with probation and specific court guidance programs. Status: Active</p>
<p>Internship Program: The Police Department has participated with police internship programs involving Ferris State University and Macomb Community College. Law Enforcement students were scheduled for semester log employment, where they were assigned a variety of tasks, exposing them to all facets of the law enforcement profession. Status: Active</p>
<p>Juvenile Jail Diversion Program: The Police Department previously participated in the Youth Assistance Program (YAP). The program was designed to provide alternatives to court prosecution for first time youthful offenders. The program targeted juvenile offenders under the age of 18. Status: Participation in the program was canceled January 2010.</p>
<p>Make A Senior Smile Day: This program was designed to help seniors out with their outdoor needs in the fall. Several participants from the City of Harper Woods employees, Boy Scout groups, Church activists, the Wayne County Commissioner's office as well as citizens come together for these events. We provided leaf clean up, bushes trimming, safety issues are addresses, free meals are provided, and safety information is handed out. Status: Active</p>

List of Community Oriented Programs by Agency
Michigan Special Olympics: Members from the Police Department have participated in Special Olympic events across the State for the past eight years. Officers volunteer their personal time as award presenters at local and state events and one officer serves on the Board of Directors for the Michigan Law Enforcement Torch Run. The program is designed to bring awareness and attention to those facing intellectual challenges and to create an environment where these outstanding athletes can compete on an even competition field. Our involvement allows the Community to see that we are much more than just a bunch of robots and that we care about the Communities we serve. Status: Active
Mountain Bike Program: The Police Department has two officers certified as Mountain Bike Officers. The program is designed to provide alternatives to regular patrol methods that allow the Community greater access to our officers on a personal level. The officers use the opportunity to also educate the Community on bicycle safety. The program is active during the appropriate weather seasons. Status: Active
Narcotic Suppression Unit: One Officer from the Detective Bureau was assigned to COMET, a multi-jurisdictional narcotic unit responsible for the investigation of narcotic activity and violent crime in the area. The program has proven to be an outstanding asset to the Community. Status: Active
National Child ID Program: The Police Department applied for and received a grant from the Target Corporation for the purchase of Child ID kits, which include photos, fingerprints, DNA sample and dental records. The kits are available at no cost to residents at our front desk and are also passed out during community events. Status: Active
National Night Out: This is an effort in conjunction with Target Corporation's yearly event. This is mainly for the kids but brings in the older adults as well. This is designed for entertainment while handing out safety information, having raffles for prizes, health stations are on hand for free health screening, food is provided along with face-painting and stations with Wayne county services are on hand. Status: Active
Neighborhood Watch Program: The Police Department selected two officers to assist with the formation and organization of our first ever "Neighborhood Watch Program." The Officers have attended several meetings with residents interested in starting the program. Additional training has been scheduled for the Officers. The program is still in the planning stage, but plans are moving forward. Status: Active
Over the Limit/Under Arrest Drunken Driving Campaign: The Police Department is actively involved in the apprehension of drunk drivers. Two of our Officers have been recognized by MADD on numerous occasions over the past several years for their outstanding efforts at combating drunk driving. We consistently participate in the State wide "Over the Limit, Under Arrest" campaign. The Administration also created an overtime detail open for all members of the patrol division, where they can come in on overtime to target drunk drivers on Friday and Saturday nights. Status: Active
Safety Town: The Police Department, in cooperation with the Grosse Pointe School District, actively participates in the "Safety Town" child safety program, designed at promoting personal safety and fire hazard awareness. Officers provide educational material and participate in presentations to pre-school and kindergarten age students. Children are also provided with home Child ID kits. Status: Active
School Liaison Program: These funds allow for a specifically trained officer to be inside the High School. Because this location is where most of our problems arise, he is assigned to that school but also oversees all programs for the rest of the schools. He attends school meetings, meets with parents and school officials to determine the best recourse in all serious incidents. He also speaks at the schools for specific programs. His presence has helped to divert some serious incidents over the past several years. Status: Active
School Resource Program: The Police Department trained one of our Senior Officers to serve as a School Resource Officer for all of the schools in our City. The Officer not only enforces the law in the schools, but he also serves as a much needed mentor for many of his students. Status: Active

List of Community Oriented Programs by Agency
Senior Action Group: As part of our community policing we meet on a regular basis with senior citizen groups. This is one that is very well organized. We bring in information on current issues dealing with seniors. We also bring in props as well as other organizations (medical) in order to give these seniors a more well rounded idea of safety issues. Status: Active
Senior Citizen Home Finder Light Control System: Senior citizens are encouraged to contact the Police Department of the free installation of the light device on their porch that will turn at dusk, off at dawn and will flash when help is needed. Status: Active
Senior Safety Day: This program was started several years ago and brings seniors together from Harper Woods as well as surrounding areas. We had safety issues from car safety, medical safety, Veteran's association for information, SOC, Attorney General's office, Wayne County Domestic Division against seniors, exercise safety, legal issues for protecting themselves. This is an annual event and brings in more attention and vendors as well as participants. Status: Active
STOP Thief Program: This was started several years ago and has helped with enforcement of UDAA's. Seniors are asked to place this sticker in their rear window for observation by officers. If this car is on the road from 3am to 5 am officers may automatically stop that car for investigation. There is no need for a traffic violation to occur. All seniors who have this sticker complete an information sheet and agree to the terms. Status: Active
Tin Can Auction: The Police Department provides donations and security to Tin Can Auctions at two of the schools located in our City. The auctions are one of the main fundraisers conducted by the two elementary schools participating. Status: Active
Violation Warning Card: These cards are used in stead of issuing ordinance violations. Officers recognize that new residents would not have knowledge of ordinances and this help without having a pay an initial fine. Areas include illegal parking, public nuisance, illegal parking and illegal storage of vehicles. Status: Active
Madison Heights PD
Child Safety Seat Inspection Program: Educates and trains parents on the importance of properly installing a child safety seat in their personal vehicles. Status: ended 2005 due to budgetary cutbacks and training certification problems
Click it or Ticket: Educates the public on the importance of using safety restraints in vehicles. Status: ended 2009 due to budgetary cutbacks.
Crime Prevention Bureau: Implemented a Public Safety Update program in 2003 on the City's website to alert citizens of criminal activity in the City through a weekly update. This web based program targeted adults in the community especially seniors of the crimes occurring in their city and their neighborhoods to make each citizen more aware and to create eyes and ears in the community to help the police detect criminal activity. Status: ended 2006 due to budgetary cutbacks.
Eyes and Ears Child Watch Program: Involves municipal employees in our public safety goal of providing assistance to citizens. The program was modeled after the Detroit Edison program to support public safety by selecting and training municipal employees to observe their surroundings for signs of trouble and how to react to those situations, provide assistance to citizens and report criminal activity. City vehicles were equipped with EYES and EARS logos to alert children to this safety program and presentations were held in the city's schools to make teachers and students aware of this safety program. All employees were screened and trained on their duties and responsibilities as EYES and EARS participants. Status: Ended 2006 due to budgetary cutbacks
Gun Lock Program: Promotes gun safety awareness and the group in the community targeted by this program is adult gun owners in the community. Status: Active
Internship Program: Assists college students with their criminal justice degree programs. This program involves a scheduled range of activities, training, observation, and ride alongs to mentor criminal justice students in the daily work related duties, tasks and responsibilities of law enforcement personnel. Status: Active

List of Community Oriented Programs by Agency
Jail Diversion Program: Trains police officers to identify of persons affected by mental illness that may have committed criminal acts but could be diverted from jail to mental health facilities instead. This program targets citizens with mental health issues to help them by redirecting resources from criminal prosecution to mental health evaluation and treatment. Status: Active
Motorcycle Patrol Unit: Allows officers to perform their regular patrol duties on a motorcycle instead of patrol car. Motor Unit Officers reported that their interaction with the public improved and citizens felt the officers were more approachable on the motorcycles in comparison with patrol cars. Status: Active
Metro Parks PD
Bicycle Helmet Safety Program: Targeted Bicycle riders who do not wear helmets. They were given helmets free of charge, as long as they signed a promissory card stating that they would wear the helmet. Status: Active
Click it or Ticket: An educational program that the Metroparks provide each park patron with a Pepsi product if they are seen to be wearing their seatbelt. The other patrons, who did not wear their seatbelt, receive the Click or Ticket literature and asked to buckle up and encouraged to wear their seatbelt. Status: Active
Gun Lock Safety Program: Provide free-of-charge gun locks to anyone asking to encourage park patrons to secure their weapons safely. Status: Active
Milford PD
Child Car Seat Safety Inspection Program: Police officer who is certified as a Child Car Seat Safety Technician provides free car seat inspections. Inspections are available on a walk-in basis during the hours when the officer is working as well as during car seat inspection events held at various times throughout the year. Status: Active
Huron Valley Schools Career Day: Uniformed police officer participates along with representatives from other area law enforcement agencies as guest speaker/panelist for annual Career Day held at Milford High School. Status: Active
Police Mountain Bike Patrol: Officers trained in police mountain bike operations provide proactive, highly visible police service to the community. Officers patrol business districts and residential areas within the Village and Township as well as festival and park patrols. Status: Active
Police Reserve Unit: Trained Reserve Officers utilized to augment the effectiveness and capabilities of the Police Department. Reserve Officers work as a second officer in the patrol car, primarily on weekends and assist with major incidents as well as traffic control for parades and events. Status: Active
Substance Abuse and Violence Educations (S.A.V.E.) Program: Provides for trained and uniformed police officers to enter the schools and teach fifth grade students about the dangers of drug use and violence. Once a week, for eight weeks a certified S.A.V.E. officer enters the classroom as a teacher and positive role model. The program is concluded with a graduation ceremony recognizing the hard work and achievement of the students. Status: Active
Youth Police Academy: Seventh and eighth grade students in Huron Valley School District who have an interest in law enforcement are given the opportunity to attend a six week program simulating a police academy. Students are taught by uniformed and plain clothes officers from area law enforcement agencies and receive instruction in criminal law, forensic science, crime scene processing and other relevant topics. Students also receive instruction in deadly force and decision-making through the use of a firearms simulator. A graduation ceremony is provided at the conclusion of the program. Status: Active

List of Community Oriented Programs by Agency	
Novi PD	
Emergency Preparedness Program: NPD hired a part-time Emergency Management Coordinator. This coordinator serves as a single point of contact for all residents, staff and elected official in emergency management related activities and reports to Police Administration. In addition, the coordinator will ensure all emergency management plans are maintained at optional levels; analyze and evaluate established policies, procedures and programs; coordinate the City's Citizens Corps programs; prepare applications for state and federal financial assistance; enhance and maintain a City emergency preparedness education program; maintain the City Emergency Operation Center (EOC); maintain the EOC Operations Manual and EOC Staff Procedures and Action Guides. Status: Active	
Mature Driving Workshops: In partnership with the Traffic Improvement Association (TIA) NPD annually hosts two "Mature Driving Workshops". Over seventy-five senior drivers participate in the programs. Status: Active	
Multi-Lingual Support: Subscribes to the fee-based Language Line interpretation service. This service is a phone based product that can connect users to over 170 possible language interpreters. This service can also be used by any city department in order to effectively serve and meet the needs of the community. Status: Active	
Police Cadet Program: The program provides 24/7 coverage of the front desk at the Police Department for the citizens of our community. Since its inception, more than 1,909 hours (December 2009) of police officer time has been redeployed from station/report duties to preventative patrols, traffic enforcement and crime prevention. In addition, the cadets have gained valuable experience and training in preparation for a career in law enforcement. Status: Ongoing	
Voice of the People Award: The City of Novi won the 2009 Voice of the People Award for Excellence in Police Services. The Voice of the People Awards are announced each year by the International City/County Management Association (ICMA) and National Research Center, Inc. (NRC) to the jurisdictions with the highest rated services according to a representative sample of their own residents.	
Oakland CC PD	
Active Shooter Program: We developed an active shooter response program and, in 2008, we added an instructional video to our web site on this matter. It is presented in many academic classes as a safety measure. Status: Active	
Behavioral Assessment Review Teams: These teams serve an integral part of our violence prevention program. They review any action or communication that is either criminal in nature or could be considered threatening towards interceding with the student or non-student before their actions or words become violent. Status: Active	
Building Marshal Program: This enables the Public Safety Dept. to rely on OCC employees to assist in an emergency. Specifically, they have/would assist in evacuating the buildings to help ensure the safety of all building occupants. Status: Active	
CC Security Cameras: Program began in 2006 when we purchased our first closed circuit security television program to augment our campus safety program. Today, we have over 100 cameras actively recording. Status: Active	
Child Fingerprint Program: Partnered with Student Life and Phi Theta Kappa with an annual Fingerprinting Program for child care centers. Status: Active	
Click It or Ticket Presentation: It targeted our Orchard Ridge Campus. Status: Inactive	
Cops for Kids: Annually assist the Farmington Hills Police Department with the Cops for Kids Program (MDA-affiliated). Status: Active	
Defibrillator Program: In 2007, we strengthened our defibrillator program by purchasing addition units, bringin our total to seventeen available on our sites. Status: Active	

List of Community Oriented Programs by Agency	
Electronic Crime Alert Program:	It targets all campuses in Auburn Hills, Farmington Hills, Royal Oak, Southfield, and Waterford and is available on our web site and updated daily. Status: Active
Emergency Preparedness Program:	Developed emergency preparedness programs and video for distribution to both students and employees of OCC. Status: Active
Internships:	Allows students to work with the Public Safety Dept. and learn about the profession. Status: Active
Lock-out and Jump Start Services:	Provides lock out and jump start services to anyone needing aid on OCC properties. Status: Active
Mountain Bike Patrol Program:	Operates at all campuses and places our Public Safety Officers in close proximity to our constituency. Status: Active
Personal Safety Presentations:	Annually provide dozens of presentations to the community on personal safety: These presentations were strengthened in 2003 and allow us to meet with hundreds of community members annually to provide varying information ranging from our response to the shootings at Virginia Tech, services offered, behavioral assessment issues, safety practices, etc. Status: Active
Publish Public Safety Newsletters:	Provides public safety related information and tips for OCC employees and students and anyone who visits our web site. Status: Active
Safety Guide:	Safety guide developed for students; Distribution is handled throughout the year. Status: Active
Swine Flu Inoculations:	Assisted Oakland Co. Health Dept. with distributing Swine Flu inoculations: In 2007 a memorandum of understanding was signed by both OCC and Oakland County to allow several of our campuses to be distribution sites for inoculations and or provide triage in an emergency. Status: Active
Plymouth PD	
A Child Is Missing:	This program is written into our policy and procedures regarding missing persons. It is a service that provides a "fan-out" of telephone calls to the community providing information on certain missing and/or unidentified found persons. Status: Active
Bike Safety Program:	The Police Department participates with other community service groups and the City Recreation Dept. in hosting bicycle rodeos stressing bike safety; in addition while on patrol Officers pass out free McDonald ice cream coupons to children observed wearing a bicycle helmet when riding. Status: Active
Block Party Visits:	The City receives a significant number of Block Party requests each year. An Officer is assigned to visit each party and congregate with the residents. Status: Active
Click It or Ticket:	State seatbelt enforcement program. Status: Active
Crime Prevention Program:	Trained Officer makes presentations to various community groups regarding ways to avoid becoming a victim of crime. The Officer also provides security surveys to businesses and homeowners. Status: Active
Crime/Information Alert Notification:	Residents can subscribe to an email notice program that alerts them to crimes, accidents, and other emergencies (i.e. gas leaks, water main breaks, etc.). Status: Active
Downtown Foot Patrols:	Officers are assigned to foot patrol in our downtown area for many community events that occur throughout the year. Officers are expected to interact with the residents and business owners. Status: Active
Gun Lock Give Away:	Residents that request a gun lock(s) are provided same free of charge. Status: Active
Local Liquor Review Committee:	Annual review of all incidents (OWI arrests, medical runs, fights, etc.) that stem from licensees w/in our jurisdiction. Follow up phone calls are made from the PD to a licensee regarding any incident stemming from their establishment. Status: Active

List of Community Oriented Programs by Agency
Police Mountain Bike Team Program: Trained Officers are assigned to patrol the downtown business district and neighborhoods utilizing mountain bikes as opposed to patrol cars. Status: Active
School Threat Assessment Study: Sergeant researched information regarding school threat assessment in reference to Active Shooter training, protocols, and policy for the Police Department. Status: Inactive
T.E.A.M. Program: Trained Officer went into elementary and middle schools (5) providing presentations to children on a variety of issues such as: Stranger Danger, Internet Safety, Drug Avoidance/Resistance, etc. Status: Inactive
Plymouth Twp. PD
A Child is Missing Program: To deal with missing at risk children and adults. Status: Active
Bicycle Safety Programs: Bike Safety/Rodeo. Status : Inactive
Block Party Visits: Community Relations. Status: Active
Child Car Seat Safety Inspection Program: Safety Seat Inspections. Status: Inactive due to unavailability of overtime
Child Finger printing: Child ID program. Status: Inactive no funding
Citizens Academy: Community Relations. Status: Inactive due to unavailability of overtime
Crime Alert Program (electronic crime alerts): Silent Partner – moving to no cost NIXEL. Status: Active
Drug Test Kit give away: Free Drug Test Kits to parents. Status: Inactive no funding
Gun Lock Give Away Program: Promotes gun safety. Status: Active while supplies last
Internship Program: Provide college students with Law Enforcement experience. Status: Inactive
Mountain Bike Program: Bike patrol in residential and retail areas. Status: Inactive
Narcotics Suppression Unit: MSP Task Force and DEA Task Force. Status: Active
Youth Leadership Program: Law Enforcement experience – three-hour classroom, once per year. Status: Active
Youth Police Academy: 40 hours or basic law enforcement. Status: Inactive due to unavailability of overtime
Royal Oak PD
Bicycle Safety Program: This program targets our entire City and visitors from the tri: county area. This program is presented through "Safety City" and presents information on bicycle safety, helmet fitting, pedestrian and bicycle laws, bicycle maintenance and hazard avoidance. Status: Active
Block Party Visits: This program targets our entire City. During these parties, our Motorcycle officers, K: 9 officers and patrol officers stop in unannounced to interact with the community. They give impromptu demonstrations and answer any questions they may have. Status: Active
Child Car Seat Safety Inspection Program: our department will inspect and educate the public on Child Car seats. This Program targets Royal Oak residents and residents from other communities. Status: Active
Community Coalition Workshops (Drugs and Domestic Violence): Status: Active
Crime Prevention Notice Program: This program targets our entire City. Officers investigating crimes or on patrol will utilize this program. Special "hang tags" have been produced for officer's use. Status: Active
CROP Walk: Event to raise money for needy. Status: Active
Emergency Preparedness: Status: Active

List of Community Oriented Programs by Agency
Foot beat Patrols (Downtown): The primary focuses of the foot patrols are community based policing. The assigned officers' are called upon to do the regular duties of patrol work, which include, arresting law violators, issuing citations, taking reports, assisting outside government agencies, other city departments, and citizens in need of police services. Status: Active
Gun Lock Give Away Program: Promotes gun safety. Status: Active
Jail Diversion Program: Persons with serious mental illnesses, serious emotional disturbances, or developmental disabilities who have committed misdemeanors are diverted to services as an alternative to being charge and incarcerated in a county or municipal jail. Status: Active
Mountain Bike Program: Bicycle Patrols are utilized to supplement patrol officers in their Crime fighting and problem solving efforts. They are used to build on and improve our Community policing activities with the citizens who live in and visit the City of Royal Oak. Status: Active
Start Program: HAVEN operates our Start Program out of our City. Status: Active
Saline PD
Bike to School Days: Similar to Safe Routes except that youth meet at City Hall, and then ride their bicycles in a group to school with an officer participating in the design and set-up of the event. Status: Active
Click-it or Ticket: Performed in conjunction with the WCSO Traffic Office wherein enforcement zones are set up, signs posted, and officers work together from various jurisdictions under the direction of MSP or the WCSO to spot and ticket violators of the State's seatbelt law. Status: Active
County-wide OWI Enforcement Program: Performed in conjunction with the WCSO Traffic Office. Here, officers work together from various jurisdictions under the direction of the WCSO to spot and ticket drunk drivers on accident corridors. Status: Active
Safe Routes to School: An initiative intended to encourage today's youth, particularly in the later elementary and middle school age groups, to walk to school as a way of increasing physical exercise, and, hopefully, fitting the obesity epidemic that we are now faced with. One day per month in the warmer school months, special drop off areas are set up away from school buildings for youth to be dropped off by parents or busses, and then they walk in a supervised route to school. Youth living nearby are encouraged to walk from their homes on that day. Incentives are also used to encourage young people to participate, to include t-shirts, treats, and prizes. A Saline Police officer works with a parent and teacher committee to design and facilitate the program, and on the day of the event, actively participates with the children in their walks. Status: Active
Youth Alcohol Enforcement Program: Performed in conjunction with the WCSO. Here, officers work together with youth from our Police Explorer program and officers from various jurisdictions under the direction of the WCSO to detect any liquor establishments that sell alcoholic beverages to underage persons. Status: Active
South Lyon PD
A Child is Missing Program: Registered user. Status: Active
Child Seat Safety Inspections: Two officers currently certified. Status: Active
Click it or Ticket it enforcement: Status: Active
Crime & Community Alerts: via NIXLE.com. Status: Active
Foot Patrols: Frequent business district foot patrols. Status: Active
Gun Safety Storage Program: Status: Active
Gun-Lock Giveaway Program: Status: Active
Mountain Bike Patrol Program: City Parks and Nature Trails. Status: Active
Officer visits to Block Parties: Status: Active

List of Community Oriented Programs by Agency	
START Program: in partnership with Haven. Status: Active	
Southfield PD	
Check Fraud Prevention Program: This program was designed to identify businesses within the City of Southfield that accept checks or those that are prone to check frauds. The program was designed to train employees, and distribute prevention tip pamphlets and ink pads to properly record thumbprints as a method of identifying the check passer. Status: Active	
Community Police Officers (CPO) Program: Dedicated, full time police officers were assigned to work in partnership with the residential and business community in the city of Southfield. Their mission embraced the community policing philosophy of identifying and proactively solving issues that gave concern about crime and disorder within these communities. These officers began several programs; most notably was an after school and weekend youth mentoring program which significantly reduced youth related crime. An overall reduction of crime by 30% in the assigned neighborhoods is attributed to the work of the CPOs. Status: Active	
Crime Free Multi-Housing Program: This is a state-of-the-art, crime prevention program designed to reduce crime, drugs, and gangs on apartment properties. This program was successfully developed at the Mesa Arizona Police Department in 1992. The program consists of three phases that must be completed under the supervision of the local police department. Property managers can become individually certified after completing training in each phase and the property becomes certified upon successful completion of all three phases. The anticipated benefits are reduced police calls for service, a more stable resident base, and reduced exposure to civil liability. Status: Active	
Crime Prevention Unit: The personnel assigned to the unit perform many services for the residential and business community in the city of Southfield, such as conducting security surveys, engaging in crime prevention presentations, coordinating the PRIDE (Pooling Resources In Defense of our Environment) meetings, attending neighborhood and community block parties, sponsoring bike safety rallies, conducting crime analysis and much more. Status: Active	
Mobile Watch Program: replaced with Neighborhood Watch): Southfield residents serve as volunteers and patrol the streets and help the community as the "eyes and ears" of the Police Department. Mobile Watch provides a valuable service to the community and its high visibility has been a deterrent to crime. They are equipped with portable radios to notify their base station for immediate police response. Status: Active	
Neighborhood Watch: Neighborhood Watch allows for greater involvement by the residents and homeowner associations in the city. This program allows citizens and the Police Department to work together, affords an opportunity for neighbors to get to know one another, increases a sense of ownership and pride in neighborhoods, and facilitates the sharing of the concerns of neighborhood groups with the Police Department. Status: Active	
Operation GOT M: This program encourages residents to contact the police department using the dedicated, non-emergency hotline with complaints relating to three specific issues: traffic, loud music and littering. Operation GOT M is monitored by the Police Department with all calls being addressed and investigated in an effort to identify offenders, and in turn, increase the quality of life Southfield residents expect and enjoy. Status: Active	
Operation Safe Return: This program is a national identification program for Alzheimer's and other forms of dementia with the primary goal of safely returning lost patients to their family or caregiver. The Safe Return Program has a national information and photo database which operates 24 hours a day, seven days a week, with a toll free crisis line. Anyone who finds the lost person calls the toll free number shown on the identification product the person is wearing. They alert the family or caregiver listed on the Safe Return database. Additionally, the Safe Return Program faxes the missing person's photograph and information and to local law enforcement agencies. Status: Active	

List of Community Oriented Programs by Agency
Police Explorer Program: A community involvement program for youth who have completed the eighth grade and are 14 years of age, or are 15 years of age but have not yet reached their 21st birthday. The program is designed for young men and women who are interested in careers in the field of law enforcement and offers experiential learning, hands-on activities and team competitions that promote growth and development. Status: Active
St. Clair Shores PD
A Child is Missing: The company randomly calls people in the area where the child or elderly went missing from, giving them a brief description of the person to look for. Status: Active
Bicycle Safety Program: Held at special events Status: Active
Block Party Visits: For Neighborhood Watch Status: Active
Business Watch Program: Works same as NW just for the businesses instead, with security surveys to help them be less a victim. Status: Active
Child Car Seat Safety Inspection Program Status: Active
Community Coalition Workshops – SNAP – Shores Network Action and Prevention: Drug and alcohol prevention: A group that meets monthly with the schools, court, students, etc. Status: Active
Community Crime Watch: extended to city workers and landscapers, Waste Management, postal carriers, et Status: Active
Crime Prevention Notice – NIXLE: A Public alert system that goes out via email or cell phone, to warn of emergency situations Status: Active
Crime Watch Program on cable TV Status: Active
Crime Watch Website: scspdcrimewatch.net Status: Active
Gun-Lock Giveaway Program Status: Active
Hunter Safety: Certifies hunters Status: Active
Marina Watch: Community Crime Watch for Marinas Status: Active
Neighborhood Watch: Fifty-three Total groups currently with ninety Block Captains Status: Active
Rapid Search Network Fingerprinting: ID kits: for special events and schools Status: Active
Safety and Prevention Fun Fest Day: With Kiwanis and Optimist Clubs Status: Active
SCSLM – St. Clair Shores Local Matters: Cable TV show with updates. Status: Active
Seminars for Senior Safety and Prevention Status: Active
Taylor PD
Bicycle Patrol: The department trained several officers to ride bicycles. The officers patrolled city parks, shopping centers, residential areas and specific high crime areas. The goal of the bicycle patrol was to more closely interact with citizens, gather information through those citizen contacts and to reduce and apprehend criminals. The program was a success and will continue when the weather allows. Status: Active
Booster Seat Grant: The department received a Federal Grant for education and enforcement of booster seats. With the recent changes in the State booster seat laws, officers from the Taylor Police Department educated the public on those changes and the benefits of properly using booster seats. Officers went to local schools and shopping malls to distribute information. The second component of the grant was enforcement. Officers would target specific areas and stop, cite and educate offenders. The awarded grant amount was \$295,000 and the grant will end in September 2010. Status: Active

List of Community Oriented Programs by Agency
Child Restraint Safety Program: The Taylor Police Department has two officers trained in child car seat safety inspection. Officers will inspect the child car seat and insure and instruct proper installation of the seat. In addition to any walk-in inspections, officers participate in child car seat safety fairs. Status: Active
CHIPS Program: The CHIPS program starts with city workers and spreads out into the community. The program is a form of the "eyes and ears" program of the past. City workers and residents are instructed in watching for crimes and how to report the incident to the police department. Status: Active
Citizen Advisory Committee: The police department had its first Citizen Advisory Committee meeting. The group is composed of police officers, business leaders, religious leaders, city residents, apartment managers and elected city officials. The concept of the committee is to have a 2 way flow of information between the police department and other committee members. The police department receives feedback on its performance and concerns from the community. Strategies are discussed as to crime reduction, police concerns and policies. The committee meets monthly and the department believes both the community and police department will reap great benefits. The committee will continue its meetings. Status: Active
Drive Safely Grant: The police department has been a participating member of the Drive Safely Grant. Officers enforce OWI and seatbelt laws through enhanced patrols and seatbelt enforcement zones. Status: Active
Drug Court: The Taylor Police partners with the 23rd District Court to assist in home visits for the drug court. When requested by the judges, our offices will attend the drug court sessions. Status: Active
Gun Lock Give A Way: The police department has participated for numerous years in the gun lock give away. Gun locks are given out to the public at the police front desk and records bureau. Status: Active
Internship/Ride-A-Long Program: The police department partners with several colleges to provide internship programs for selected students. The department also has a ride-a-long program. Approved citizens/students may ride with an officer for a shift. Status: Active
Safety Awareness Fairs: The Taylor Police Department partners with several local businesses to put on safety awareness programs. The programs include Child ID, rape prevention, crime prevention, gun safety and personal safety. Status: Active
Special Operations Bureau: The Taylor Police Department has a Special Operations Bureau. The bureau investigates Home Invasion and narcotic offenses. The bureau also assists residents with crime prevention lectures. Status: Active
Van Buren Twp. PS
Bicycle Safety Program: As a part of law week did a public safety day did bike safety and registration as well as a crime prevention presentation. Status: Inactive due to budget cuts
Block Party Visits: As a part of our crime prevention program, officers routinely visit block parties with K-9 and Bike patrols. Status Active
C.A.F: Program was set up to raise money to provide indigent families' children with medicine and prescription glasses. Status: Active
Child Car Seat Program: our traffic division does car seat inspections upon request of citizens. Status: Active
Click It or Ticket: our traffic section along with patrol has in the past been involved in this program. Status: Inactive
Crime Alert Program: our department is involved in the NIXLE alert program. This is a community wide alert program that is web based. Status: Active
Gun Lock Give-Away: Promotes gun safety. Status: Active
Mountain Bike Program: Uses the bikes for neighborhood patrol and public event relations. Status: Active

List of Community Oriented Programs by Agency
Racy Program: Provides juvenile offenders assistance to rehabilitate. Status: Active
The Van Buren Township Department of Public Safety has or had the following programs, if you need further information please contact me.
Lost/Found Property Tracking System Description: The electronic tracking of all lost/found articles to assist travelers in locating lost items. Status: Active
Mountain Bicycle Program Description: Training and assignment of officers to bicycles while on duty. Status: Active
Wolverine Lake PD
Citizen Police Academy: Annually present two ten-week sessions in the Fall and Spring. This is a joint effort with Walled Lake, Wolverine Lake, Novi, Wixom and South Lyon Police Departments. Status: Active
Student Police Academy: Two to three classes each semester at Walled Lake Western High School (Government Class)-Walled Lake Wixom and Wolverine Lake PD. Status: Active
Ypsilanti PD
Bike Patrol: Patrol vehicles were equipped with bike-racks to transport police mountain bikes to problem areas identified through the Neighborhood Policing Teams database. Patrols were random and expected in the officers normal tour of duty. Officers would report their activity in the NPT database. The program was initiated in 2001 but discontinued in 2008 due to reduced staffing. Status: Active
Click-it or Ticket / Gun Lock Give-Away / Shop with a Cop: These projects are annual projects that the Department continues to participate in. These measures provide an astute public policy to recognize and address initiatives on a national, state and local level. Project participation has been for the past ten years. Status: Active
Eastern Michigan Crime Data Mapping: The Ypsilanti Police Department and Eastern Michigan University have partnered in sharing and analyzing criminal data through the CLEMIS reporting system. Data is collected, confirmed and forwarded to the EMU Institute for Geospatial Research for mapping. The crime mapping is street specific and allows EMU student and Ypsilanti residents to view the results via an EMU or City web-site. The project began in 2009. Status: Active
Eastern Michigan Internship program: This project marries the Ypsilanti Police Department and Eastern Michigan University (EMU) in the pursuit of educational excellence through first-hand experiences with students that are enrolled in the criminal justice program at EMU. Students are hand-selected and are placed in each bureau to gain first-hand knowledge of the operational nomenclature of that bureau. Status: Active
Foot Patrol: This project initiative centered on high visibility in retail areas of downtown and associated retail and entertainment locations. The concept directed patrol officers and volunteers to patrol those areas as well as stop in and introduce themselves to business proprietors and operators. This high visibility and introductions provided stability to the area and cleared the districts of transients, beggars and petty thieves. The project began in 2005 but discontinued in 2009 due to reduced staffing. Status: Active
Inter-agency Cooperation Team (ICT): This initiative is an implementation that concentrates in the sharing of services with the Washtenaw County Sheriff's Department, the University of Michigan, and the Ann Arbor Police Department. The partnering agencies have identified the need to share the responsibility in providing S.W.A.T, hostage negotiating, K-9 services and training. The agencies have been working under a cooperative agreement and have formed the Inter-agency cooperation Team (ICT). The ICT has been in existence since January of 2009. Status: Active

List of Community Oriented Programs by Agency
Michigan Prisoner Re-entry Initiative (MPRI): The Ypsilanti Police Department has joined the Washtenaw County Probation Department and the Michigan Department of Corrections to assist prisoners in their re-entry into society and local neighborhoods. Detectives meet on a regularly basis with contributing groups on the re-entering prisoner(s) to assist them and provide them with the necessary tools needed to succeed in the community. The project began in 2004. Status: Active
Neighborhood Policing Team (NPT): This initiative was established to assist the neighborhood associations with the identified problems within their associations. The NPT would attend association meetings and be alerted to crime trends or nuisance type issues. The information would be entered into a database for tracking and reporting purposes. NPT will pool resources as needed to resolve the identified problems initiated through the neighborhood association. There are sixteen (16) active associations in Ypsilanti. This project began in 2002. Status: Active
Nuisance Abatement Team (NAT): A spin-off of the NPT concept. This initiative pools representatives from all city departments to deal with those issues that have been identified to be such a nuisance that it required cooperation from all city services, i.e. party-stores and/or slum landlords. The NAT meets regularly with the city attorney to pursue cooperation with the nuisance targets or face legal/civil action. This project began in 2002. Status: Active
Volunteer Service Corp (VSC): The VSC evolved out of the Citizens Police Academy that began in 1994. The VSC are graduates from the citizen police academy. The group assists in parades, special events, and the thirty five (35) member team augments the road patrol by utilizing their own Ypsilanti police volunteer service corp. patrol vehicle. The group conducts general patrols (foot and vehicle) through neighborhood associations that have identified specific problems. The VSC will report findings either via dispatch or established informal methods of reporting. This project began in 2004. Status: Active

