

TECHNOLOGY PROJECTS

Project Title	Description
Personnel Management System	Development of an application to replace the current Clipper based Personnel and Payroll Management System (PPMS). Phase I of this project will include retention and maintenance of all existing PPMS data. It will also include an on-line request form that allows for event approval and processing by the new system. This will allow personnel actions to be handled quickly and efficiently without paper being passed for approval or review. Phase I has an estimated 5 reports. Phase II will expand personnel reports and include a Police Applicant Tracking Program. Phase III will integrate PPMS and HRIS for payroll auditing and electronic detail sheet management.
Drivers License Image Retrieval System	Establish a user agreement between the Texas Department of Public Safety (DPS) and the Dallas Police Department to enable authorized personnel to access and retrieve Texas Drivers License photographs from a centralized location in Austin. This is a web-based application which is made accessible after a memorandum of understanding (MOU) is completed between requesting agencies. Individual law enforcement personnel are then set up with accounts to allow access.
E Citation Phase 1	Phase 1 is an E-Citation application for vehicles equipped with an MDC. Phase 2 is an E-Citation application for motorcycle officers. This project will be deployed in the vehicles in conjunction with the ST-3 Accident Reporting application. This application is a Custom Logic Design Inc. product and is designed to operate with the ZClient 32 software, a Custom Logic application currently deployed on the MDCs in police vehicles.
ST-3 Accident Reporting Application	An application to be deployed on in-car MDC and desktop PC's to electronically report vehicle accidents in a format approved by the State of Texas. This application will reduce time spent reporting accidents, eliminate redundant entry of data for statistical purposes, and provide the ability to transmit accident data to the state electronically.
Cognos- HR Fiscal Management	Using Cognos PowerPlay, the Police Department imports payroll data obtained from the Lawson Payroll System and publishes data cubes to an internal web site giving organizational commanders the ability to view payroll expenditures. This application provides organizational commanders the tools necessary to manage their budget and can also be used to analyze other data sets to facilitate management decisions. Some examples are calls for service records, crime information, citation data, motor vehicle accident data and officer injury data.
Web-based Crime Analysis Application	This application is a web-based crime analysis tool which uses an ESRI mapping tool to visually illustrate the location of incidents. This same application can be used to publish crime information to the public through the Department's internet site.

TECHNOLOGY PROJECTS

Project Title	Description
Electronic Detail Sheet	This web-based application will draw personnel data from the Police Personnel Management System and the Court Notification System to create a detail sheet for each unit in the department. The Police Payroll Management System contains data pertaining to an employee's assigned organization, unit, watch, and days off, and the Court Notification System contains data pertaining to an employee's scheduled absences (leave, special assignment, military leave, FMLA, etc.). This application will combine those data elements to create a daily detail sheet for every unit in the department. This application will also create a virtual time card for each employee, which can be used to electronically audit data obtained from Lawson to ensure accurate time reporting.
BSM Stinger Bait Car Program	The BSM Stinger is a sophisticated high speed vehicle tracking system developed by BSM Wireless Inc. It is an integrated turnkey hardware/software solution designed primarily to meet the specific needs of law enforcement agencies that operate bait vehicles.
Hardcat Inventory System	DPD current inventory management system resides on mainframe. The process involves the manual entry of each division's individual assets. Transfer of equipment requires a paper system which can often be delayed. The Hardcat asset management system utilizes a SQL database to automate the inventory, categorization, assignment, transfer and assignment of assets. Hardcat is a full function management system which provides tracking history and financial reporting.
Law Enforcement Access to Police Reports	Police reports will be accessible to law enforcement agencies by connecting to a web server in the DMZ. User agencies will authenticate via accounts managed by police. Queries are generated at the web server which then ports to a SQL server on the police local area network.
Public Access to Police Reports	Police offense, incident and accident reports will be accessible to the public by connecting to a web server in the DMZ. Users can query records to be purchased.
In-Car Digital Cameras	State enacted racial profiling mandates require documentation of all traffic stops by police. Video recording satisfied the requirements and created the need to manage VHS tape storage, retention and retrieval. The department plans to upgrade to digital cameras.
Auto Pound Inventory Control System	In 1999 the Police Auto Pound Unit automated its vehicle processing procedures and implemented the Auto Pound Inventory Control System (APICS). APICS is a client server system running on a Windows NT4.0 server. The operating system will be upgraded to Windows 2000 to conform to department and City standards in an attempt to migrate to the Windows Active Directory environment.
Property Room Surveillance Camera Upgrade	The Police Department Property section operates 3 personal computer workstations that record analog video of approximately 43 surveillance cameras. The department plans to upgrade these cameras to IP based digital video cameras viewable across an internet browser for ease of use and manageability.

TECHNOLOGY PROJECTS

Project Title	Description
AST Kiosks	The hardware requirements for both Novell and Microsoft dictate that legacy AST computers with 266 MHz processors or less be upgraded to support software distribution and policy implementation. These computers are being reallocated as Intranet Kiosk machines which require minimal processing capability and allow for extended use of equipment. The Kiosks will access browser based intranet applications such as email, subpoenas, payroll etc.
ODP- Off Duty Employment Management	This web based application will manage the documentation and approval process for officers engaged in police related off duty employment. This application eliminates the manual "Request for Special Duty" form, simplifies the approval process, and documents all actions in the approval process. Reporting tools provide watch commanders information on the locations where officers are working in that patrol operations division as well as the officer's name and duty assignment. This application will also give administrators tools to manage off-duty employment policies. This application is being developed to integrate with the enhanced neighborhood patrol (ENP) application, merging the time records for vehicle used for off duty employment with the authorization to work police related off duty jobs.
Police Reports Phase II & III	Police Reports is a web based application providing access to offense, arrest, and incident reports. The call file is also included in the application. Currently only the first page of offense and arrest reports are available through this application. Phase II created advanced offense report search capabilities, made the call file and warrant's only arrest data available, and provided expanded user administration functions. Phase III of this application will provide complete offense/arrest reports from 1991 to the present as well as citation records. Phase III will eliminate the main frame based "STARR" application.
Court Track	Court Track is an application that will integrate with the Court Notification System to administer the record keeping process and document the appearance of police personnel reporting to Dallas County Courts in response to court notifications. Officers will check into court via this application that will verify that the officer has been notified to appear. Court personnel will use this application to release officers from court, at which time the officer's authorized overtime will end, except for allotted travel time. Officers in the court waiting room will be notified that they have been released and will check out from court by completing the check out procedure.
Tape Track	This application manages the cataloging, distribution, retention and redeployment of video tapes used for the In Car Video Systems.

TECHNOLOGY PROJECTS

Project Title	Description
ODP Phase II	This is a web based application to manage the documentation and approval process for officers engaged in police-related off-duty employment. Phase II will include functions to facilitate the approval of off duty employment applications for locations where the principal business is dispensing alcoholic beverages. Currently a manual form is completed and sent to the vice section to determine if the establishment has a current license and is in good standing. Phase II will contain the licensing information on all establishments in the City and their status. Additional features of Phase II will include the ability to document requests for outside non-police related employment.
ENP Phase II	This application facilitates the management of police vehicles used for off-duty employment by documenting the use of police vehicles through time cards prepared by employees using the vehicle, and automates the billing process. Phase II incorporated expanded administrative functions that were not part of the original scope of work.
Court Notification System Phase III	The Court Notification System has been deployed in the Dallas Police Department since June of 2003. Dallas County has purchased the application from Orion Communications to deploy to all law enforcement agencies in Dallas County. Orion Communications has made several improvements to the application; the most significant being changes to a users home page. A user's home page will display a calendar containing all the user's appearance responsibilities and scheduled leaves.
Officer Chronology	Currently the Police Department is utilizing an application that was developed in-house to retrieve and compile call, mark out, and AVL global positioning system (GPS)data to recreate a police vehicle's location history. This application depends on daily FTP records from the main frame and is unstable. The programmer who developed the application is no longer with the department and getting service for the application is difficult. An application has been identified that will provide increased functionality and that integrates with the department's existing AVL software.
Auto Pound Inventory Control System Upgrade	This upgrade will provide 17 enhancements to the Auto Pound Inventory Control System designed to improve the functionality of the application. This updated application will be run on a new modern server and will include an upgraded NCIC/TCIC integration module and a revised wrecker dispatch system.
PRIMS Phase III	The Police Property Inventory Management System upgrade includes 42 enhancements to improve the management of property placed in the property room. The major improvements include an advanced web browser that gives all department users access to the application through the department's Intranet and enhanced reporting tools. The web browser will provide search capabilities that will enable a user to identify property assigned to a particular officer or investigative unit and an advanced property disposal functionality. PRIMS III will also integrate with the Court Notification System, enabling the property room to be aware of court cases requiring the production of evidence so that property room staff can have the evidence ready for officers to pick up on the specified date.

TECHNOLOGY PROJECTS

Project Title	Description
Police Chase Form	An on-line form has been created for supervisors to input information related to police chases. The data collected will be compiled into a database that will produce scheduled reports. This application will eliminate manual forms and redundant data entry.
Broadcast of City Council Meetings	Purchase and install the equipment necessary to beam Dallas City Council meetings from City Hall to Jack Evans Police Headquarters. This will allow Council meetings to be viewed in real-time on televisions throughout the HQ facility.
Voice Mail Conversion	Purchase, configure and install a voice mail server for the city's cluster IV (Jack Evans Police Headquarters) to allow for up to 1,000 voice mail users.
Dallas County Adult Information System	Develop, implement, and transition the Direct Entry Arrest Reporting System (DEARS) onto the Dallas County Adult Information System (DCAIS).
Response Time Reporting	Provide capability for more accurate and timely reporting of response time to citizen calls-for-service. This project will be developed in conjunction with the CADS/9-1-1 Replacement project.
Cell Phone Management	Manage all aspects of the Dallas Police Department's cell phone program. This includes squad-car mounted devices.
Phone System Management	Develop an on-line and automated system to manage the voice and data systems in use by the Dallas Police Department. This includes Voice Over Internet Protocol (VOIP) phone devices, installations, and transfers of those devices. Also included is management of the analog connections currently in use for fax machines.