

Memorandum

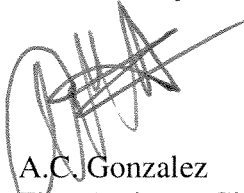


DATE: April 19, 2013

TO: Members of the Public Safety Committee

SUBJECT: **Crime Scene Section Automated Fingerprint Identification System (AFIS) Enhancements**

Attached is briefing material on the "Crime Scene Section Automated Fingerprint Identification System (AFIS) Enhancements" to be presented to the Members of the Public Safety Committee on Monday, April 22, 2013.



A.C. Gonzalez
First Assistant City Manager

Attachment

CC: Honorable Mayor and Members of the Dallas City Council
Mary K. Suhm, City Manager
Rosa Rios, City Secretary
Thomas P. Perkins, Jr., City Attorney
Craig D. Kinton, City Auditor
Judge Daniel Solis, Administrative Judge
Ryan S. Evans, Assistant City Manager
Jill A. Jordan, P.E., Assistant City Manager
Forest E. Turner, Assistant City Manager
Joey Zapata, Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Frank Libro, Public Information Office
Stephanie Cooper, Assistant to the City Manager



Crime Scene Section Automated Fingerprint Identification Systems (AFIS) Enhancements

Public Safety Committee

April 22, 2013



www.dallaspolice.net

David O. Brown
Chief Of Police

Purpose

- Inform Public Safety Committee of:
 - Advancements in Automated Fingerprint Identification Systems (AFIS)
 - State and Federal AFIS networks
 - New technology and databases including palm print records



Goals

- Provide timely intelligence to investigative personnel by:
 - Continuing to pursue new and innovative biometric technology
 - Expanding databases that contain valuable latent evidence



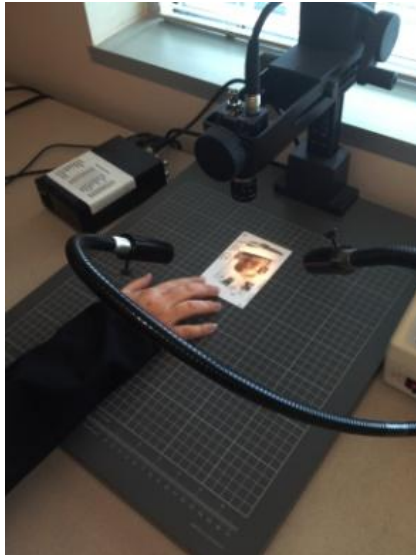
AFIS Related Statistics

	2009	2010	2011	2012
*AFIS Latent Identifications	821	722	1,416	1,338
AFIS Latent Inquiries	4,397	5,296	8,113	5,367
AFIS Tenprint to Unsolved Latent Reviews	31,668	25,861	20,247	25,861
Manual Latent Comparisons	1,453	1,335	1,430	1,052

**Since 1989, over 20,000 AFIS identifications have been made by DPD*

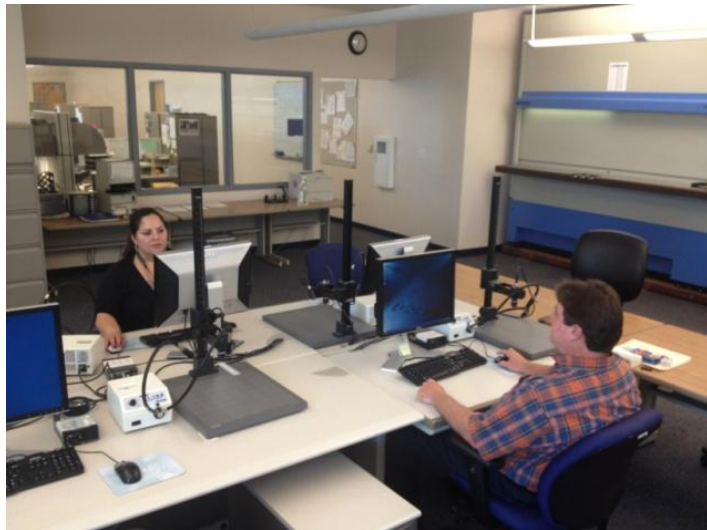
AFIS

- Is a biometric solution that automates the processing of arrest and applicant fingerprint cards
- Enables criminal justice agencies to search latent prints developed at crime scenes against the database



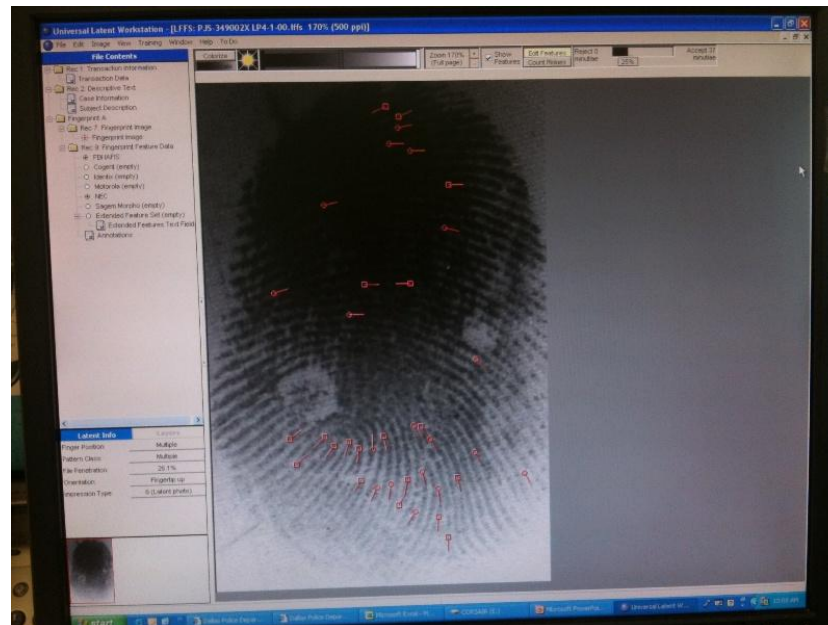
AFIS Technology

- DPD has been a leader in AFIS since 1989
 - First system in Texas
 - Migrated to the Texas Department of Public Safety AFIS in 1999
 - Interfaced with the FBI IAFIS in 2003
- Dallas AFIS Team is comprised of sworn and civilian fingerprint experts



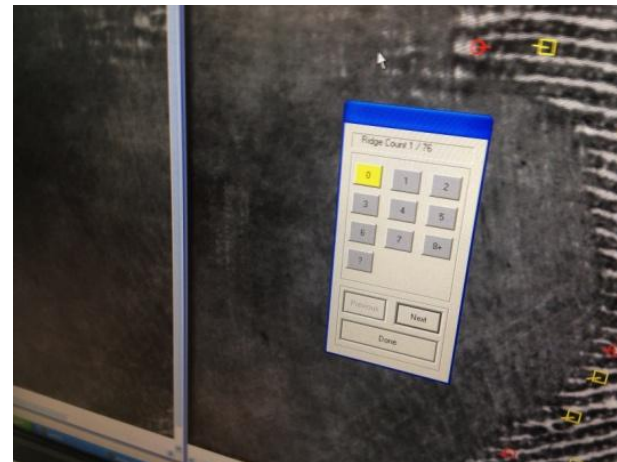
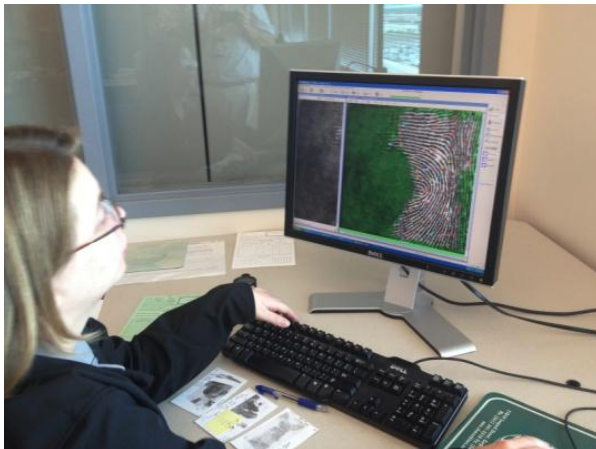
Texas DPS AFIS

- Agencies in Texas submit fingerprint and palm cards as required by current statutes
- Database contains 9 million tenprint and 1 million palm print records and provides timely identification of individuals



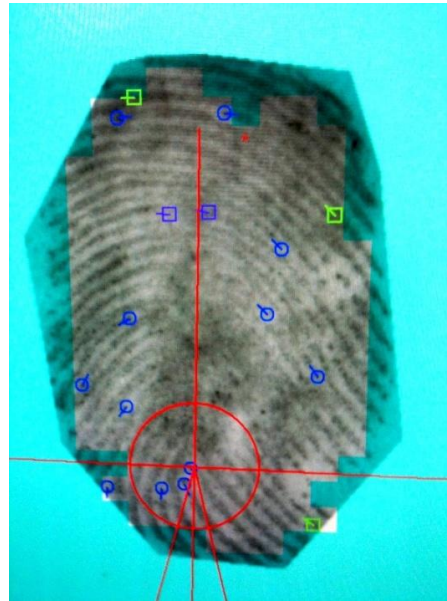
AFIS and Palm Prints

- Texas DPS added palm print search capability in late 2009
- Estimated that 25% of our unsolved crimes have valuable palm print evidence
- AFIS Team achieved the 1st palm print identification in the Texas DPS AFIS



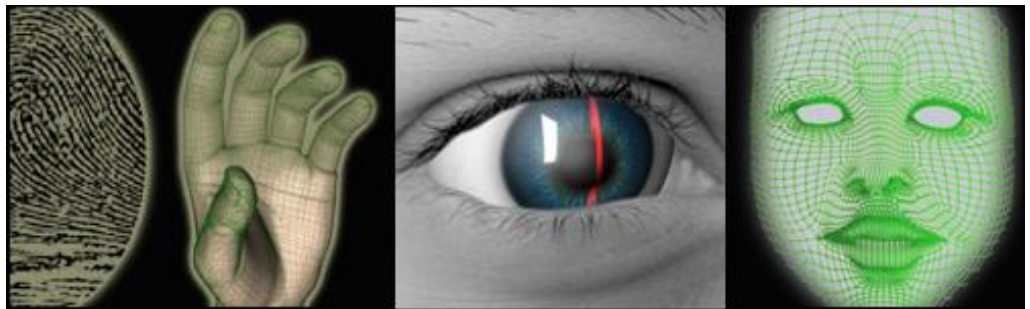
Integrated AFIS

- Hosted by the Federal Bureau of Investigation.
 - Largest biometric database with over 70 million records
 - Palm search capability possible by late 2013
- IAFIS is a stand-alone system requiring separate processing



Enhanced Capabilities

- Future enhancements could include:
 - Access to additional databases
 - IAFIS palm evidence
 - Department Homeland Security
 - Interoperability with other agency AFIS systems.
 - Mobile ID



(FBI Next Generation Identification)

Summary

- The Crime Scene Response Section will continue to pursue new and innovative biometric technology
- Latent print evidence will be searched in new databases as they become available to provide valuable intelligence

Questions?