



Public Safety Information Technology



Eddie T. Johnson, Superintendent of Police



- **3 Police Areas**

- 280 Beats

- 22 Police Districts

- **Beat is where CAPS happens**

- **Officers work on the same beat and same watch for year**

- Answering calls for service

- Problem solving with community



Summary: Major Tech Grants

DHS: Urban Area Security Initiative (UASI) 2014, 2015

CLEAR Infrastructure, Mapping, Cameras, Radios, Vehicle Tech

DHS: Broadband Pilot

Test Broadband Communications (LTE) in 007 District, Purdue

BJS: NCS-X (National Criminal Statistics Exchange- NIBRS), 2015, 2016

NIBRS Compliance

BJA: Body Worn Cameras, 2015

1,500 BWCs in six (6) districts, University of Illinois

BJA: Smart Policing, 2015

Expand Predictive Policing model, Illinois Institute of Technology

NIJ: Predictive Policing, 2013

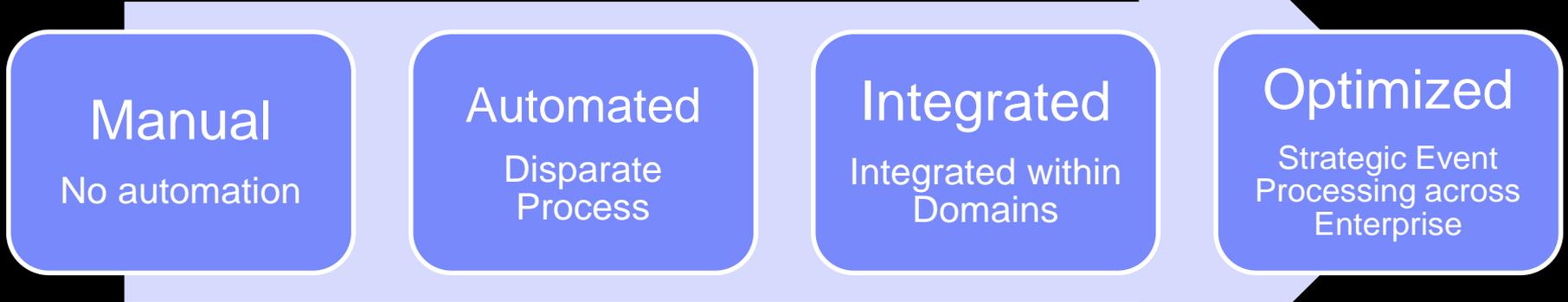
Develop Predictive Policing model, Illinois Institute of Technology

NIJ: Optimizing Use of Video Technology, 2014

Test video analytics, develop camera deployment model, IIT



Capability Maturity Model



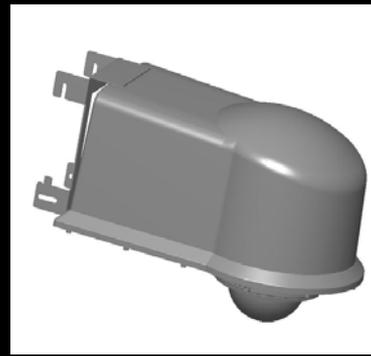
CLEAR

CAD/
Radio

Video/
Sensors



Surveillance Cameras



Body Worn Cameras

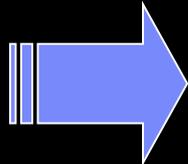
- 2,000 cameras, seven police districts
- All uniformed and plain-clothed district field officers and Sgts



Non-Integrated Video

- Current State

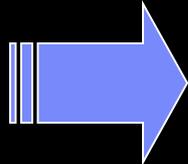
External Users
- Subpoena/ FOIA to CPD



Manual Review
Separate Systems
Paper Requests
Mail DVD/ CD



External Users
- Subpoena/ FOIA to CPD



Manual Review
Separate Systems
Paper Requests
Mail DVD/ CD

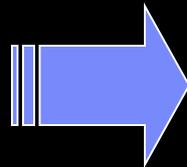


Video Integration

- Future State

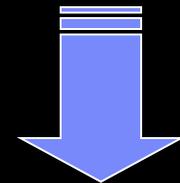
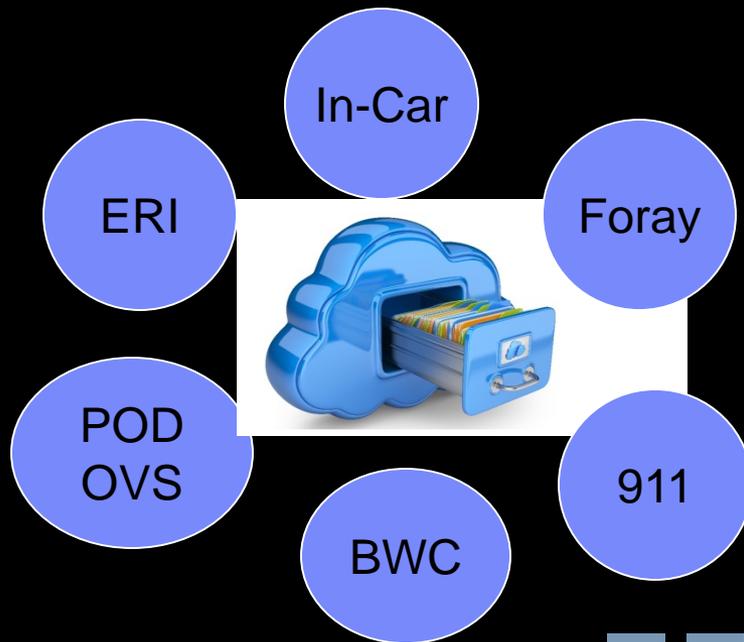
External Users

- Subpoena/ FOIA GovQA



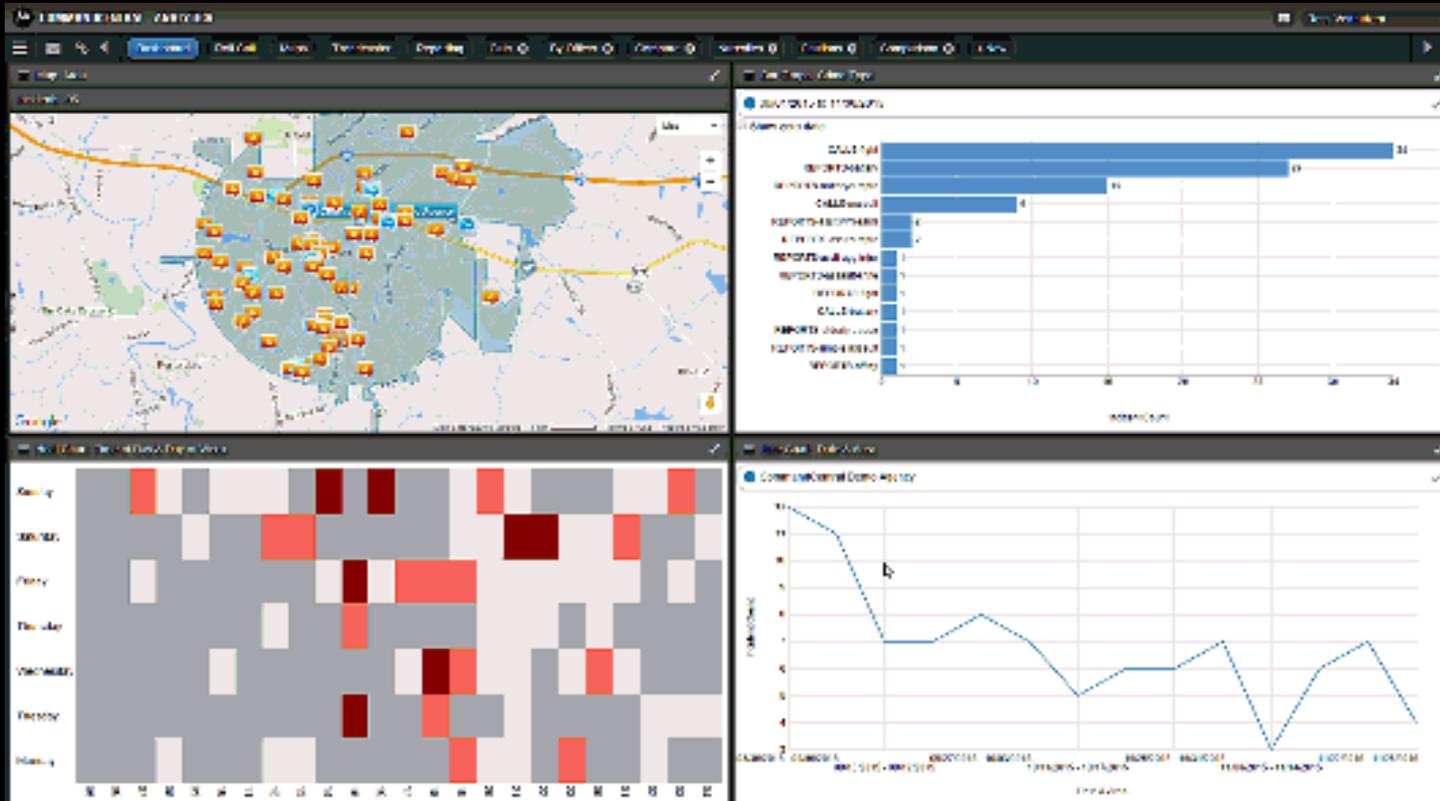
Review/ Approve

- No paper
- Integrated
- Electronic delivery



Analytics

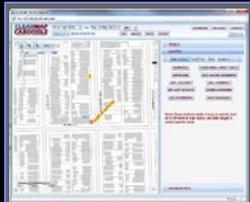
- Future State



Integrated: Operation Virtual Impact (OVI)



ShotSpotter



Caboodle Map



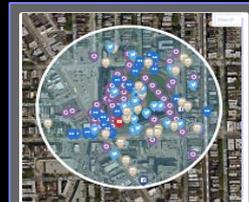
SSL Dashboard



Vigilant LPR



Genetec Cameras



Social Media



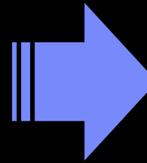
Citizen Crime Tips



911 CAD

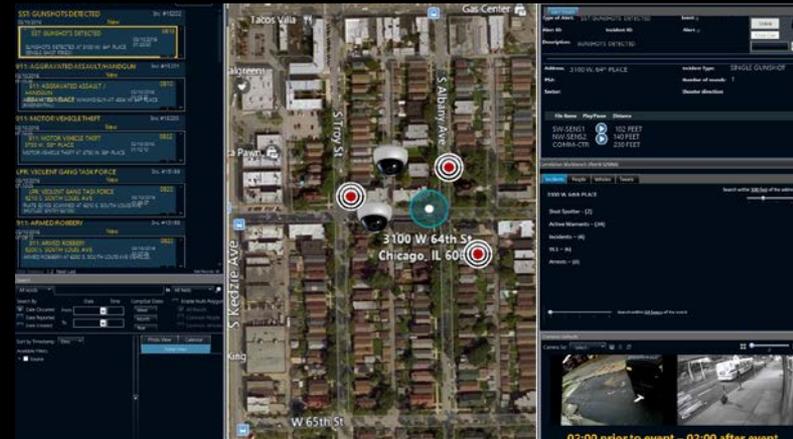


Police/ Fire/ CTA GPS



Notifications

Prediction Engine



Single Integrated Analysis Platform

Already Integrated with ShotSpotter, Genetec

Desktop and SmartPhone Clients

Body-Worn Camera Committee



**BODY-WORN
CAMERA**

Chicago Police Department
Eddie T. Johnson
Superintendent of Police

Governance

- ▶ Leadership Team
 - ▶ Chair: D/C Lewin, other team leads below
- ▶ Admin Team (D/C Lewin/Director Conway)
 - ▶ ISD, OLA, R&D, Grants, Finance
- ▶ Engagement (Patrol Cmdr, Training Lt)
 - ▶ Dist Cmdr, Training Div, Patrol HQ
- ▶ Community Engagement (D/C Washington)
 - ▶ Community, CAPS



Phase II BJA Pilot Districts

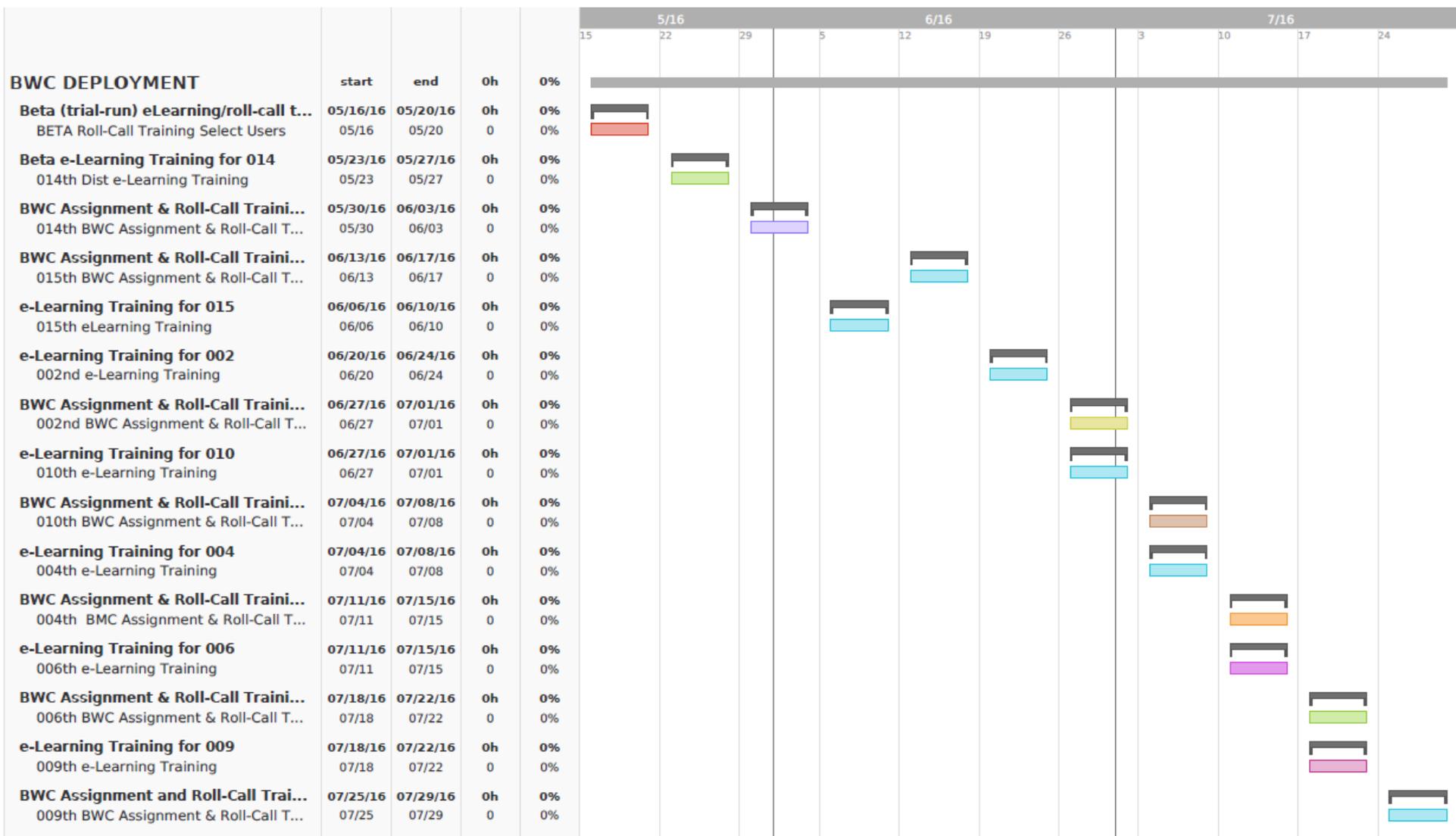
PILOT	CONTROL
014	025
015	011
002	012
010	008
004	003
006	005
009	007



Schedule

DATE	MILESTONE
5/16/2016	Beta training, 014 5/16
5/23/2016	014 eLearning 5/23
5/30/2016	014 Roll-Call 5/30
6/6/2016	015 eLearning 6/6
6/13/2016	015 Roll-Call 6/13
6/20/2016	002 eLearning 6/20
6/27/2016	002 Roll-Call 6/27
6/27/2016	010 eLearning 6/27
7/4/2016	010 Roll-Call 7/4
7/4/2016	004 eLearning 7/4
7/11/2016	004 Roll-Call 7/11
7/11/2016	006 eLearning 7/11
7/18/2016	006 Roll-Call 7/18
7/18/2016	009 eLearning 7/18
7/25/2016	009 Roll-Call 7/25





Technology Matrix

	AXON	AXON 2	MOTO	COBAN	OTHERS
RESOLUTION	STD	HD	HD	HD	HD
WiFi	NO	YES	YES	YES	YES
STORAGE	8G	64G	32G		?
RECORDING	12HRS	72HRS	36HRS		?
MILSPEC	NO	YES	YES		?
RADIO INTEGRATION	NO		YES		?
IN CAR CAM INTEGRATION	NO	YES* Axon 2 can be ICC and BWC, requires replacing Coban ICC, BWC can be mic		YES* Coban BWC can be mic for Coban ICC and can upload onto same platform	?

Phase I

- ▶ Twenty-nine (29) Taser Axon cameras
- ▶ 014th District, 3rd Watch
- ▶ In progress since late Feb 2015



Usage

- ▶ 4,610 total videos
- ▶ 1,025 total hours of video
- ▶ Avg 419 videos per month
- ▶ Avg 14 videos per officer per month
- ▶ Avg 2 videos per officer per tour



- ▶ Video stored in Evidence.com cloud platform
- ▶ Dept members will announce when they are recording
- ▶ Recording allowed
 - ▶ If on public way or in public view
 - ▶ In private residences or other places with reasonable expectation of privacy if lawful reason for presence of law enforcement officers
 - ▶ During routine calls for service
- ▶ Officers must be associated with a PCAD event when recording



Evidence.com

- ▶ ISD manages platform and ensures access
- ▶ Officers may view their own recordings
- ▶ Supervisors and authorized personnel from appropriate units will have access
- ▶ Non-Department access will be facilitated via email request to include subpoena
- ▶ Immediate viewing requests will be facilitated when appropriate



Body–Worn Cameras and Use of Force

- ▶ BWCs in the Use of Force Risk Management Cycle
 - Identification and Assessment
 - Mitigation Strategies
 - Implementation of Strategies
 - Evaluation
 - Policy and Procedural Revision
- ▶ BWCs and the Use of Force Policy Nexus
- ▶ BWCs and Use of Force Analysis



Video Management

- ▶ How is video accessible to internal/ external users?
- ▶ How is video tagged?
- ▶ How is video redacted?
- ▶ How is video requested from people without direct access? (State's Attys, Complaint Review)



General Information (V)

- ▶ Devices individually assigned to officers
- ▶ Audio and Video recorded
- ▶ No expectation of privacy for Dept members
 - ▶ Officer will announce that they are recording
 - ▶ Camera is labeled
- ▶ BWC is manually activated and deactivated
- ▶ 30 Second pre-event buffer for video only



- ▶ Video stored in Evidence.com cloud platform
- ▶ Not to be used
 - ▶ Lockup
 - ▶ Admin duties
 - ▶ Community Policing office
 - ▶ Desk duty
- ▶ Minor infractions not subject to discipline
- ▶ Must use both BWC and ICC if equipped
- ▶ Officers must be associated with a PCAD event when recording



Recording Guidelines (V)

- Announce that they're recording
- Record on public way/ public view
- In private residences or other places where reasonable expectation of privacy exists and lawful reason for police presence
- Record entire incident
 - Routine calls for service, inv stops, traffic stops, pursuits, emergency response, high risk situations, any encounter that becomes adversarial, any other instance when enforcing the law
- Disengage when requested by victim, witness, confidential informant (unless exigent circumstances or reasonable belief that victim/ witness has committed/ is committing crime)
- Record entire incident, not disengage until entire incident recorded. If arrest, incident is concluded when subject is transported to station.
- No recording where reasonable expectation of privacy exists (dressing rooms, restrooms) unless required for capturing evidence.
- No recording sensitive body parts unless required for capturing evidence.
- No recording inside medical facilities except proper police purpose.



Operational Procedures (VI)

- ▶ Sign out BWC from radio room
- ▶ Ensure operational
- ▶ Record events consistent w/ directive
- ▶ Return at end of tour for docking/ upload
- ▶ Sgts ensure Dept members are using
- ▶ DSS ensure BWCs utilized, CAD lineup
- ▶ Watch Lt randomly reviews video
- ▶ Watch Lt submits weekly report to XO



Evidence.com

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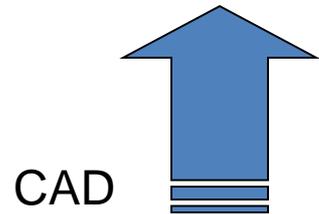


Docking Station

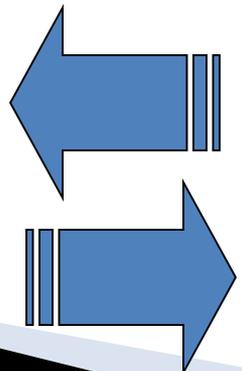


**BODY-WORN
CAMERA**
TRAINING & TECHNICAL ASSISTANCE

Automatic Upload



BWC
-Date/ Time
-Device ID
-Audio/ Video



CAD
- Event
- Beat
- Officer (Lineup)
- Event Details



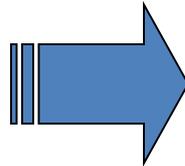
Evidence.com

Authorized CPD Users

- Direct via Evidence.com

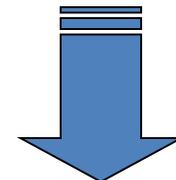
External Users

- Subpoena sent to ISD



Review/ Approve

- Temporary access



New Law 1 Jan

30 second video buffer

10 hrs or more recording time

Officers can view video, must document

On during law enf encounter or call for service

* Victim or community member request turn off

Not use to discipline for minor infractions

* Supervisor ensures equipment working

* Annual reports to training board on usage



Phase II BJA Pilot

- ▶ Eighteen (18) months
- ▶ Six districts (2 per Area)
- ▶ Uniformed PO/ FTO/ SGT, all watches
- ▶ Mandatory Project Eval, UIC
- ▶ Pre-Test, Post-Test
- ▶ Satisfaction Surveys (CPD and Public)
- ▶ BWC used for coaching/ training of officers

