

**PLEASE NOTE START TIME IS 5:30 P.M.**

**AGENDA**  
**MAPLEWOOD CITY COUNCIL**  
**MANAGER WORKSHOP**  
5:30 P.M. Monday, April 13, 2015  
City Hall, Council Chambers

- A. CALL TO ORDER**
- B. ROLL CALL**
- C. APPROVAL OF AGENDA**
- D. UNFINISHED BUSINESS**  
None
- E. NEW BUSINESS**
  - 1. Presentation of Public Safety Technology Enhancements and Capabilities; Including a Discussion Regarding Law Enforcement Technology and Pending Legislative Actions
- F. ADJOURNMENT**

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**MEMORANDUM**

**TO:** Melinda Coleman, City Manager

**FROM:** Paul Schnell, Police Chief  
Steve Lukin, Fire Chief  
Mychal Fowlds, I.T. Director

**DATE:** April 2, 2015

**SUBJECT:** Presentation of Public Safety Technology Enhancements and Capabilities;  
Including a Discussion Regarding Law Enforcement Technology and Pending  
Legislative Actions

**Introduction**

Review of public safety technology enhancements and strategy.

**Background**

Recently, the Ramsey County Emergency Communication Center successfully implemented a new state of the art Computer Aided Dispatch system that is used by Maplewood Fire, EMS, and Police. The Fire Chief, Police Chief, and I.T. Director will discuss the benefits and implications of the new system. In addition, the I.T. Director and Police Chief will highlight the advances in the technology that has been implemented in the police department over the past several years and discuss pending legislation pertaining to law enforcement technology.

**Budget Impact**

Information only

**Recommendation**

No action required.

**Attachments**

None



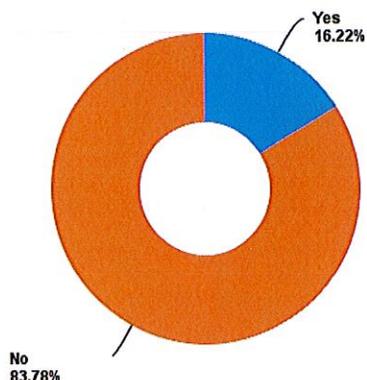
## The Facts in MN on Automated License Plate Readers (ALPR)

### ALPRs are not:

- Video recorders
- Tracking devices
- Networked across jurisdictions
- Capturing every Minnesotan's plates



### Does your agency have ALPR?



### ALPRs are in limited use in Minnesota:

- Fewer than 17% of MN PDs have units
- Most only have a few units

Source: MCPA member survey 9/26/14 - 10/25/14; 148 members of 310 responded

### ALPRs are valuable because they:

- Automate what police officers have always done (run license plate #s)
- Allow police officers to be more efficient and less distracted

### How ALPRs work:

- Typically mounted on squad car
- Automated high speed camera and optical character recognition technology takes *snap shots* of plates and records date, time and location (personal data associated with the plate not attached in this system)
- Scans "Hot List" in real-time
- Collects "Hit data" and "Read data"

### Hit data vs. Read data

- Hit data solves crimes immediately, instantly connected to vehicles on hot lists
- Read data is not connected to existing hot list but is stored for future investigative purposes (currently stored for 48 hours to 90 days, depending on jurisdiction)

### Value of read data with reasonable retention periods:

- Expands investigative capabilities of agencies
- Identifies possible suspects/exonerates innocent people
- Provides evidence to bolster prosecutions

### Proposed safeguards by Minnesota Chiefs and Sheriff's Associations

- Restricting access to database
- Providing public audits of the queries
- Implementing written policies and training regarding access

## Police Technology: Past, Present, & Future

Maplewood Police Department



## Technological advances & policing

- Revolvers to semi-automatic handguns
- Shotguns to semi-automatic rifles
- Fighting tactics to less harmful options (for officers & subjects) – Aerosol restraints (i.e. Mace), Taser devices, etc.
- Portable Breath Testing
- 9-1-1
- DNA testing



## Maplewood's technology

- iPhone deployment to officers
- Employee scheduling and timekeeping system
- Fleet telematics
- iCrime Fighter
- Automatic License Plate Readers
- Video Trailer
- Body Cameras – test deployment
- In-squad video system
- Records management system
- Computer-Aided Dispatch
- Squad-based mobile computing



## What technology replaced

- Paper schedule and timecard system requiring multiple entries
- Office based phone extensions/voicemails
- Officer issued cameras
- Officer issued audio recorders
- Property room management system
- Digital evidence management system



## MWPD Investigative Technology

- Computer and cell phone forensics
- Vehicle trackers
- Body bugs – undercover operations
- Varda alarm systems
- IP pole cameras



## Current legislative focus on police technology

- **Automatic License Plate Readers**
  - Data classification – public, private, confidential
  - Data security
  - Data retention
  - Data's investigative value
- **Body Cameras**
  - When to use
  - Where to use
  - Data classification – public, private, confidential
  - Data security
  - Data retention
  - Data's investigative value



## ALPR & Body Cameras in Maplewood

- ALPR
  - Currently use a 90 day retention
  - Have established policies on historical data access
  - Data is automatically discarded after 90 days has passed.
- Body Cameras
  - With limited use, data is currently retained and destroyed as needed unless applicable to an active investigation and/or prosecution



## Future Technology

- Expand body camera use department wide
- Procure Body Camera system integrated with in-squad video (slated for replacement in late 2015)
- Develop highly refined Body Camera data retention policy
- Expansion of ALPR use through grant funding



## Crime Mapping & Analytics

- Planned implementation of Bair Analytics system, which integrates with our new records management system
- Offers public mapping and analytics capabilities to allow residents to see calls for service and be notified of incidents in their neighborhood.
- Provides complex analytics capabilities to guide deployment of police resources and ensure better problem solving



## Integration is the future

- Connecting all the divergent data sources is the future...
  - Audio, video, scanned documents associated with a case file are in one location
  - Fleet telematics and crime mapping data are overlaid allowing us to know that we have our officers in the right place at the right time
  - We want our officers spending as much time as possible in the community, which is where effective policing occurs



## Challenges

- Data storage costs
- Data management costs – redaction of video is not automated
- Data access – How much should be public and to whom?
- Use of video creates expectations – If it wasn't recorded, it didn't happen.
- Need to avoid the challenge of being data rich but information poor



Thank you  
**QUESTIONS?**



WORKSHOP  
Meeting Date: 4.13.2015

Agenda Item#: E1



### Senior Management Team

- St. Paul Fire Chief
- St. Paul Police Chief
- Ramsey County Sheriff
- New Brighton Police Chief (representing other county police depts.)
- Lake Johanna Assistant Fire Chief (presenting other county fire departments)
- Maplewood Police Chief
- Maplewood Fire Chief
- Ramsey County Dispatch Director

### Background

- Existing CAD outdated and no longer supported
- County approved purchase of new CAD with cost allocation to all communities the same as dispatch center consolidation
- RFP was developed and sent out
- New CAD vendor - Tritech was picked
- Installation, interfaces, testing and training
- Go live March 24, 2015

### Overview

- Laptop in apparatus
- CAD

The diagram illustrates the network architecture. It shows a laptop labeled 'Inform Mobile Client' connected to a server rack labeled 'Inform Mobile Server'. The server rack is connected to a desktop computer labeled 'Inform CAD (Dispatch)' which has a person icon next to it, representing a dispatcher.

### Log In Screen

- Unit
- Capability
- Password
- Comment
- Staff/Crew
- Login

- Back
- Forward
- Enroute
- On Scene
- Status
- Other
- Calls
- Units
- Msgs
- Acknowledged

### Queues - Unit

Unit	Status	Elapsed	AVA/Last Loc	Problem	Destination	Call	Sector
R022	Quarters	70 17 58	LCFD		LCFD		LITTLE ...
LCFR	Quarters	70 06 31	LCFD		LCFD		LITTLE ...
LCFR	Quarters	70 08 11	LCFD		LCFD		LITTLE ...
LCFR	Quarters	70 03 53	LCFD		LCFD		LITTLE ...
LCFR	Quarters	70 04 55	LCFD		LCFD		LITTLE ...
L215	Quarters	70 17 55	LCFD		LCFD		LITTLE ...
E215	Quarters	70 17 59	LCFD		LCFD		LITTLE ...
E215	Quarters	70 17 55	LCFD		LCFD		LITTLE ...
CP208	Quarters	96 52 10	LCFD		LCFD		LITTLE ...
CP209	Quarters	96 51 55	LCFD		LCFD		LITTLE ...
CP209	Quarters	70 18 01	LCFD		LCFD		LITTLE ...
C202	Quarters	70 18 08	LCFD		LCFD		LITTLE ...
C202	Quarters	00 03 27	LCFD		LCFD		LCFD
C201	Quarters	11 56 59	LCFD		LCFD		LCFD
C103	Quarters	78 16 12	LCFD		LCFD		LAKE J...

### Other Drop Down

**ACTIVE / PENDING INCIDENT INFO**

- Print Info
- Responding Law Units
- Responding Fire EMS Units
- Active Calls
- Pending Calls
- Query Selected Incident

**MESSAGING**

- New
- Query Rap
- Sent Msgs
- Msg Trash
- NavBar Open

**CAD QUERIES**

- Find Address
- Person Search
- Vehicle Search
- Prior Incidents Search
- Unit History

**OTHER FUNCTIONS**

- Map
- Loc Search
- Change Crew
- Logout
- Night
- EMERGENCY

Description	Next Turn	Destination
1 Start by going North on N I 35 NB	0.1m	1.1m
2 Continue straight onto N I 35 NB - 15TH OFF RAMP	0.2m	1.0m
3 Continue straight onto N I 35 NB SVC RD	<0.1m	0.9m
4 Turn left onto E 15TH ST	<0.1m	0.8m
5 Continue straight onto E 15TH UPAS	<0.1m	0.8m
6 Continue straight onto E 15TH ST	0.3m	0.8m
7 Turn left onto SAN JACINTO BLVD	0.4m	0.4m
8 Turn into destination	0	0

