MOTOR VEHICLE AUTOMATED CITATION AND CRASH SYSTEM (MACCS)

State and Local Law Enforcement
Agency grant program

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"Enhancing Public Safety Through Information Exchange"

WHAT IS MACCS?

➢ The Motor Vehicle Automated Citation and Crash System (MACCS) was developed in 2017 by the Executive Office of Public Safety and Security (EOPSS) through partnerships with:

- • Massachusetts Department of Transportation (MassDOT)
- • Executive Office of the Trial Courts (Courts)
- • Registry of Motor Vehicles (RMV)
- • Merit Rating Board (MRB)
- • Massachusetts State Police (MSP) and;
- • Municipal Police agencies

WHAT IS MACCS?

➢ Developed as a result of 2016 legislation allowing for the issuance of electronically generated citations and the use of officers' electronic signatures

➢ Browser-based module in CJISWeb

➢ Electronic crash and citation data collection and reporting tool

➢ Allows for real-time submission of citations and crash reports

➢ The MACCS project was managed by EOPSS until transferred to DCJIS in 2019 and us currently funded with 405(c) funds

Goals of MACCS

- ➢ Improve officer safety

- ➢ Streamline data collection

- ➢ Improve data quality

- ➢ Eliminate redundant data entry processes across agencies

- ➢ Improve timeliness of reporting to state and federal entities

- ➢ Make data available to law enforcement agencies

Benefits of the MACCS application:

Provides enforcement of standard business rules to help ensure accuracy and consistency of data

➢ Collects minimal data to quickly produce the Crash Motor Vehicle Exchange Form

➢ Electronically issues motor vehicle citations and maximizes automatic pre-filling of many data elements to eliminate human errors when keying information

➢ Requires connection to CJIS Broker which manages the data exchanges between law enforcement agencies and RMV/MRB/Courts

➢ Allows citizens who receive an eCitation to find and pay their citation via MASSRMV.com more quickly than those receiving a traditional carbon copy paper citation

➢ Allows law enforcement agency users to quickly re-produce a copy of the Motor Vehicle Crash Police report when requested by the public without searching through paper files

System Highlights

Eliminating the re-keying of information

- When a MACCS user runs a vehicle or person query in CJISWeb, the response data can be pushed to MACCS ("Push to MACCS" key) to populate the relevant fields

- This avoids double entry and possible errors in person and vehicle information transmitted to MRB.
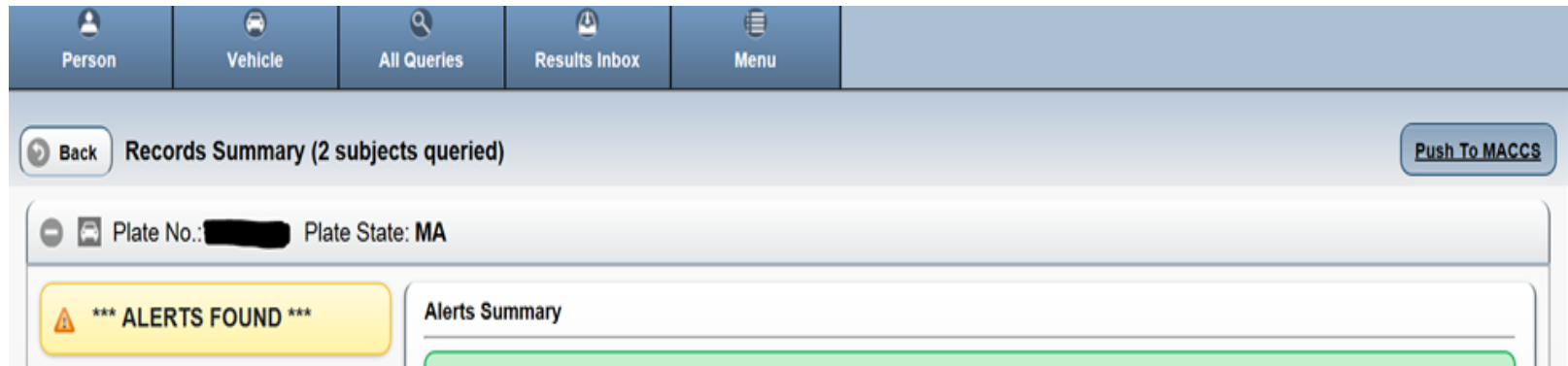
System Highlights

- MACCS automatically calculates assessments based on M.G.L. and automatically applies the Brain Injury Fund and Municipal Police Training Fund surcharges where applicable.

- The application also calculates appropriate speeding assessments based on miles per hour over the designated speed limit.

System Highlights

- MACCS includes functionality to allow the user to set frequently cited metrics, such as their ID number, the current date and time, and their general location.

Common Preferences

Agency Code: **Department Of Criminal Justice Information Services (CHB)**
Badge No.: **1234**
Map Default Location (Latitude): **42.393986**
Map Default Location (Longitude): **-71.037126**

Citation Preferences

Default Violator Type: **Owner**
Default Violator: **Person**
Default to Today's Date: **Yes**
Default Court: **Chelsea District Court**
Location City/Town: **Chelsea**

Crash Preferences

Default to Today's Date: **Yes**
Issuing Agency Type: **Other**
Precinct/Barracks:
Location City/Town: **CHELSEA**

System Highlights

- MACCS includes a Google map from which a user can drop a pin to indicate the location of the incident and to capture the latitude and longitude.

- MACCS then calls the Commonwealth's MassGIS database which provides a drop-down list for automated address selection.

What our grant provides agencies:

➢ In-vehicle printer, cords and associated power cables

➢ Printer mounts

➢ Paper (thermal paper preferred by MRB in the new 8 ½ by 11 format)

➢ Installation services for hardware

➢ Training in the use of the application and printer

➢ Technical support

DEPLOYMENT HIGHLIGHTS

- Installation at 141 of 351 municipal police departments

- 80 additional municipal police departments are pending installation of printers

- Massachusetts State Police has all 8 barracks operating on MACCS e-citation

USAGE HIGHLIGHTS

Citations issued via MACCS 2019-present

	eCitations				
	Arrest	**Criminal**	**Civil**	**Warning**	**Total eCitations**
2019 Municipal	1,606	6,194	25,502	58,293	91,595
2020 Municipal	1,942	8,027	16,260	55,229	81,458
2019 State Police	7,583	21,300	84,480	142,844	256,207
2020 State Police	5,835	20,251	60,293	100,556	186,935
TOTAL:	**16,966**	**55,772**	**186,535**	**356,922**	**616,195**

USAGE HIGHLIGHTS

Cumulative citations issued via MACCS 2017-2020*

Cumulative Citations Issued

Data points for MUNICIPAL, STATE, and TOTAL lines:

Quarter	MUNICIPAL	STATE	TOTAL
JUL-SEPT 2019	113,277	413,837	527,114
OCT-DEC 2019	134,630	473,254	607,884
JAN-MAR 2020	165,703	537,345	703,048
APR-JUN 2020	173,273	567,965	741,238
JUL-SEPT 2020	194,295	619,441	813,736
OCT-DEC 2020	216,088	660,189	876,277
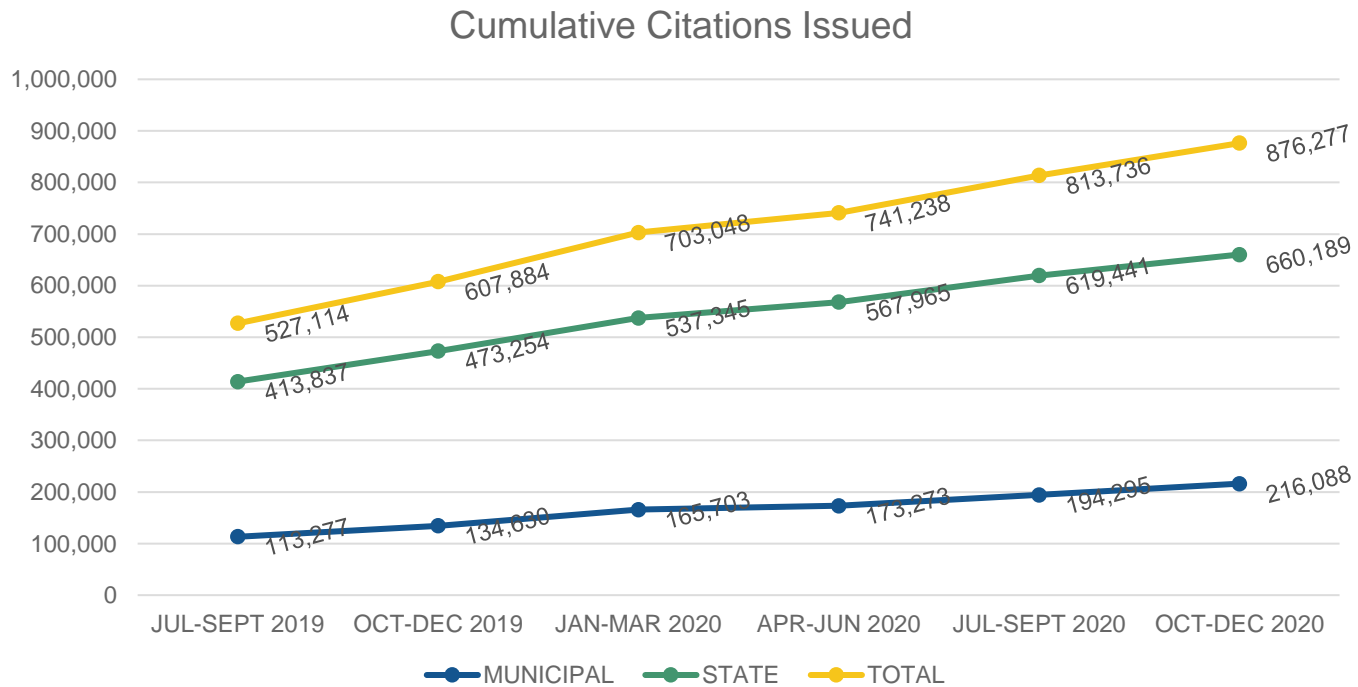
*July-Sept 2019 includes all citations issued since 2017

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RECENT ENHANCEMENTS

➢ Two RMS vendors have developed MACCS integration, three more in current development

➢ Push to MACCS for out of state plates

➢ Update and addition of new RMV plate types

➢ Updates to include new citations for "hands free" violations

What's Next?

PROJECT GOALS:

- Install approximately 600 printers at an estimated 80 police departments.

- Continue to make necessary MACCS software updates and enhancements.

What's Next?

CHALLENGES:

- ➤ COVID-19 pandemic stalled progress

- ➤ 6-8 week lead time for new equipment orders

- ➤ Increased interest in program but not enough funding
  (17 departments pending grant award)

- ➤ Not enough funding for important enhancements

Thank you for your time and consideration

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