

MOTOR VEHICLE AUTOMATED CITATION AND CRASH SYSTEM (MACCS)

State and Local Law Enforcement
Agency grant program

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Commonwealth of Massachusetts
Executive Office of Public Safety and Security
Department of Criminal Justice Information Services
"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 is 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 MACCS:

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.

Person Vehicle All Queries Results Inbox Menu

Back Records Summary (2 subjects queried) Push To MACCS

Plate No.: [redacted] Plate State: MA

*** ALERTS FOUND ***

Alerts Summary



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.

| | | | | | | | |
|---|---------------------------|---|---|---|-------------------------|---|--|
| OFFENSE DATE (MM/DD/YY) 05 01 17 | | LOCATION OF OFFENSE (include #, st, hwy, city or town) MAJOR TAYLOR BOULEVARD, WORCESTER, MA | | TIME OF OFFENSE 08:34 | | CRASH <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| OFFENSE(S) | A. CHAP/SEC/SUB 90/9/B | CIVIL | DESCRIPTION OF OFFENSE UNREGISTERED MOTOR VEHICLE - C90 99 | | ASSESSMENT \$ 105.00 | NOTICE TO VIOLATOR SEE BELOW FOR INSTRUCTIONS | |
| | B. | | | | \$ | | |
| | C. | | | | \$ | | |
| | D. SPEEDING 90/17/C | CIVIL | MPH IN MPH 55 A 45 ZONE | <input checked="" type="checkbox"/> POSTED <input type="checkbox"/> CLOKED <input type="checkbox"/> NOT POSTED <input type="checkbox"/> RADAR <input checked="" type="checkbox"/> LIDAR <input checked="" type="checkbox"/> ESTIMATED | \$ 155.00 | | |
| SPEEDING ASSESSMENTS INCLUDE A \$50 HEAD INJURY SURCHARGE AND VIOLATIONS OF M.G.L. CHAPTER 89 AND 90 INCLUDE A \$5 SURCHARGE FOR THE PUBLIC SAFETY TRAINING FUND | | | | | TOTAL DUE \$ 260.00 | | |
| CITATION TYPE <input checked="" type="checkbox"/> ALL CIVIL INFRACTIONS <input type="checkbox"/> CRIMINAL APPLICATION <input type="checkbox"/> ARREST <input type="checkbox"/> WARNING | | | | | | | |
| OFFICER CERTIFIES <input checked="" type="checkbox"/> IN HAND TO VIOL. <input type="checkbox"/> MAILED TO VIOL. <input type="checkbox"/> IN HAND TO VIOLATOR'S AGENT | | | | | | | |
| OFFICER CERTIFIES THAT THIS CITATION WAS ISSUED ON THE DATE WRITTEN TO THE NAMED VIOLATOR <input checked="" type="checkbox"/> /5/ WOODLEY, CASEY OFFICER ELECTRONIC SIGNATURE | | | | AGENT NAME | | COURT ADDRESS | |
| | | | | AGENT'S LICENSE NUMBER & STATE | | | |



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.

Enter Crash Report Submit Cancel

Crash Time and Location

*Crash Date: *Crash Time: *City: Speed Limit: Non-Public Way:

Find and mark location on map:

Map Satellite

Use a possible location based on coordinates
328 WAVERLY ST, FRAMINGHAM, MA 01702
MILE MARKER 17.6 SR135 WB
WAVERLY STREET FRAMINGHAM
FREEMAN STREET & HOWARD STREET FRAMINGHAM

At

Route No.: Direction: Intersecting Roadway:

☐ Also at Intersection with

Route No.: Direction: Intersecting Roadway:

Map data ©2017 Google



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 1/2 by 11 format)
- Installation services for hardware
- Training in the use of the application and printer
- Technical support



DEPLOYMENT HIGHLIGHTS

- Installation at 198 of 351 municipal police departments
- 62 additional municipal police departments are pending installation of printers
- Massachusetts State Police has all 8 barracks operating on MACCS e-citation



USAGE HIGHLIGHTS

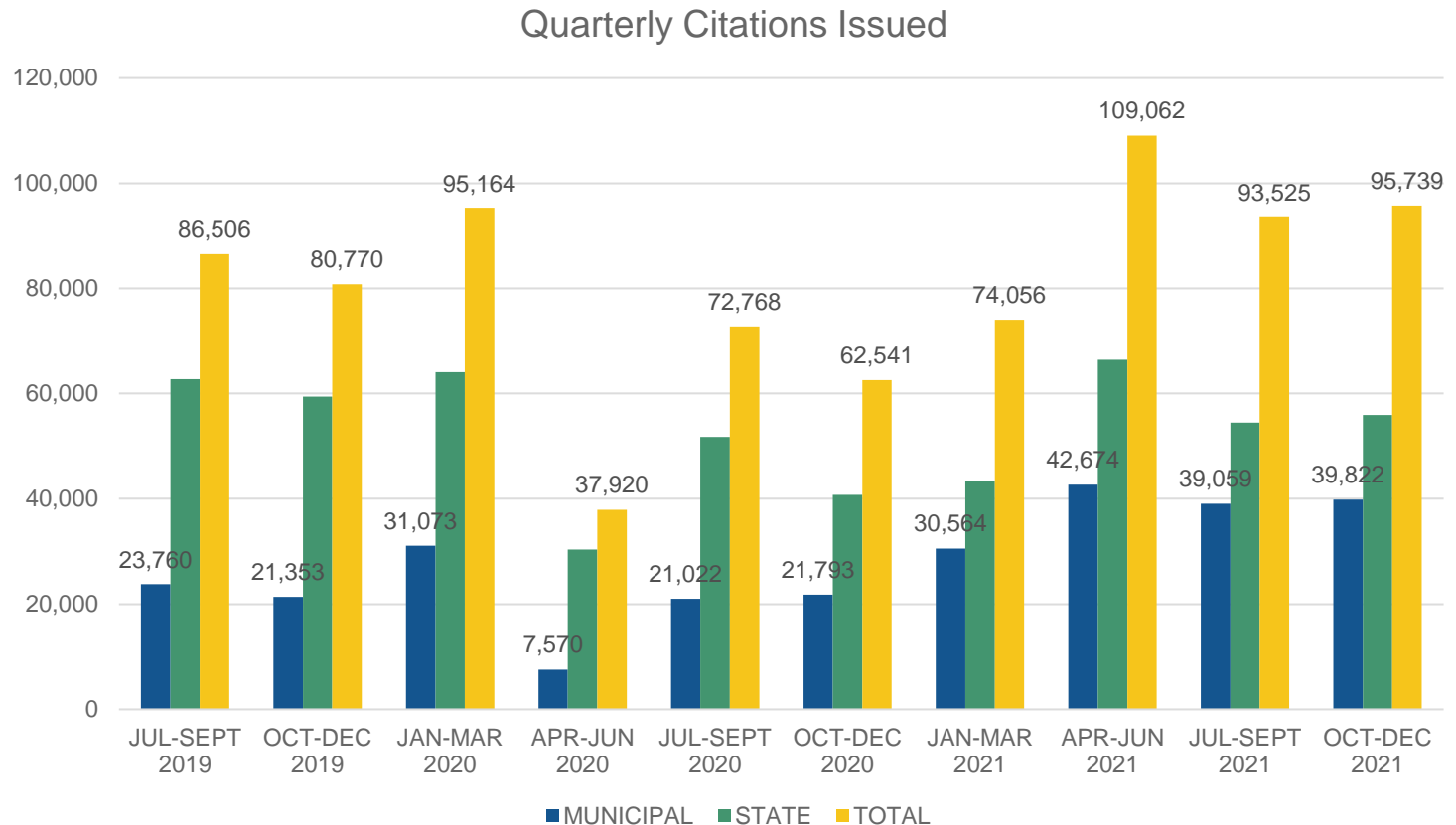
Citations issued via MACCS 2019-present

| | 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 |
| 2021 Municipal | 3,361 | 13,780 | 22,984 | 112,879 | 153,004 |
| 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 |
| 2021 State Police | 5,112 | 20,699 | 59,914 | 131,549 | 217,274 |
| TOTAL: | 25,439 | 90,251 | 269,433 | 601,350 | 986,473 |



USAGE HIGHLIGHTS

Citations issued quarterly via MACCS 2019-2021





NOTABLE DEVELOPMENTS

- Five RMS vendors have developed MACCS integration:
 - IMC
 - End2End Public Safety
 - ProPhoenix
 - Caliber Public Safety
 - Nexgen Public Safety



What's Next?

PROJECT GOALS:

- Install approximately 635 printers at 63 police departments.
 - Provide additional printers for agencies that did not outfit full fleet. 15 departments have signaled interest for an 63 printers.
 - 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
- 91 departments have yet to participate in the program



What's Next?

GOALS:

- Continued outreach to remaining departments using paper citations
- Increase usage of electronic citations at some MACCS agencies



Thank you for your time and consideration

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