

CROSSROADS SOFTWARE

HANDHELD CITATION AND REPORT WRITING PROGRAM

Overview

The Crossroads Handheld Citation and Traffic Report-Writing Software is the direct result of combining modern software development with the very latest in handheld computing technology. The program offers complete, full-featured citation, traffic collision, and DUI report writing capabilities that law enforcement professionals use to create new citations and reports and to edit existing ones, all within the Windows Pocket PC environment.

Officers can now write electronic citations (e-cites) in the field on any handheld computer running Windows Pocket PC, have the violator sign the citations, and print them on a compatible portable printer (using an infrared or direct cable connection). Using a properly equipped handheld, the system can capture electronic information stored on the driver license (using a mag-stripe reader) and the fingerprints of offenders that don't have, or aren't carrying, a valid driver license. The program truly replaces traditional ticket-writing methods with a more efficient system for writing, printing, reporting, and analyzing citations. With the companion programs to the e-cite, the same handheld can be used to write a collision report and capture the field information data ("FI cards"), as well as prepare a complete DUI arrest report.

Pocket PC handheld devices (also known as "PDAs," or Personal Digital Assistants) easily sync with Windows-based desktop and laptop computers, allowing connection to records management systems, databases, and report-writing and records-analysis systems.



Codes (Part 1 of 1)		
0.00	0.00	0.00
NRS CODE	DESCRIPTION	
21658A	UNSAFE LANE CHANGE	, I
21658A	UNSAFE LANE CHANGE	, I
21658B	DESIGNATED LANES	, I
21659	THREE LANE HIGHWAY	, I
21660	MEETING VEHICLES	, I
21661	DESCENDING NARROW GRADE	, I
21662	MOUNTAIN DRIVING	, I
21663	DRIVING ON SIDEWALK	, I
21664	ON-RAMP	, I
21700	OBSTRUCTING DRIVERS VIEW	, I
21701	INTERFERING WITH DRIVER	, I
21702	DRIVING HOURS	, I
21703	FOLLOWING TOO CLOSELY	, I
21704A	DISTANCE BETWEEN TRUCKS	, I
21705	CARAVANS	, I

Location (Part 1 of 2)

Type: Traffic Case No. []

Township: []

Location of Occurrence

Number	Dir	Street
[]	[]	[]

OR AT [] Cross Street []

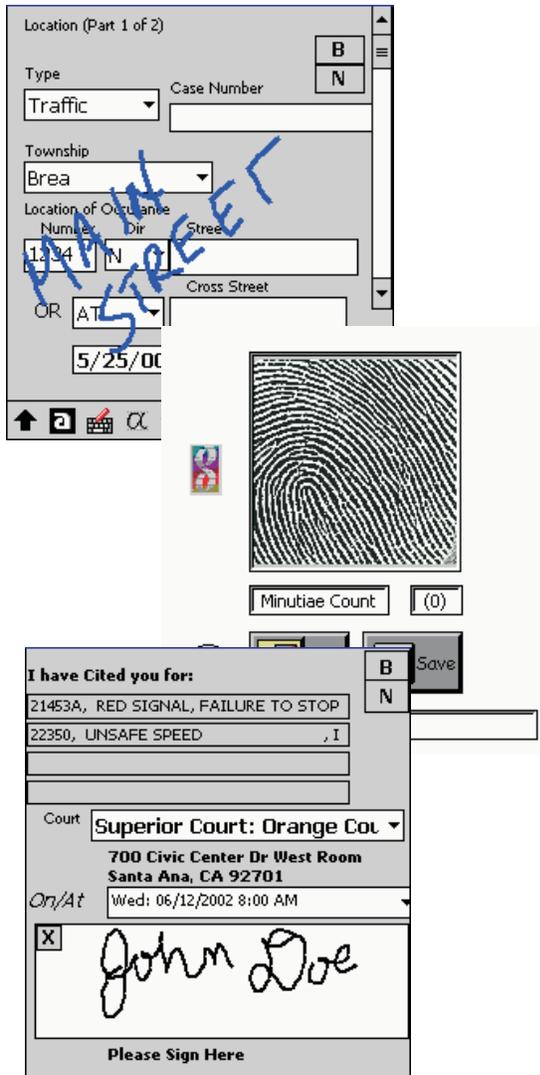
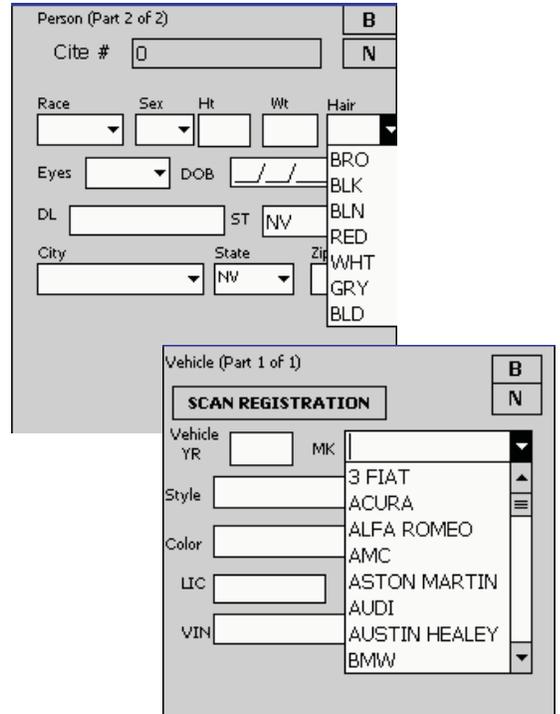
5/25/00 10:25:00 AM



Ease of Use

One of the main features of the Handheld Citation and Report Writing Software is its ease of use. The electronic citations have been designed to be intuitive and efficient, with an easily accessible menu for navigating and extensive use of “drop-down lists” for speedy ticket writing (the first two images at the right show the Vehicle Make and Hair Color drop-down lists).

The electronic citation itself is efficiently organized with screens (Location, Vehicle, Person, Violations, and so on) that are easily accessed at the touch of a button. To “write” a citation, the officer can swipe the license to capture the violator’s data and use the drop-down lists and on-screen keyboard to edit or add more data. Better yet, the preparer can use a “Transcriber” system (included with the program) that allows conventional handwriting anywhere on the screen. The Transcriber takes standard printed and cursive characters and transcribes them into electronic text in the proper ticket field.



Other Features

A multi-function form can be used to write misdemeanor offenses, citations and juvenile offenses.

Additional modules allow users to write traffic collisions and DUI arrest reports (including the field sobriety test information).

Configurable drop-down lists for codes and violation descriptions.

Electronic-signature capture.

Electronic thumb-print capture.

Printing of citations in the field directly from the handheld to portable printers using infrared data transfer (or cable connection).

“Soft” copy of citation in a machine-readable format that can be off-loaded to a records management system and a “hard” copy format to present to the defendant.

Field information (FI) data capture.

Automated bail schedules for fineable offenses.

Court appearance dates for each of the court locations available on the handheld, with the capacity to update them regularly through a simple sync process with the database management system.

Ability to read driver license bar code or magnetic stripe using an integrated or connected bar code/mag-stripe reader (depends on hardware configuration); this minimizes data entry by automatically reading in the information on the license.

NOTES (Part 1 of 2) [N]

Defendant's Demeanor/Statements

Vehicle Condition
Fair

Print Save Close

WASHOE COUNTY SHERIFF'S OFFICE
IN THE JUSTICE'S COURT OF
IN AND FOR THE COUNTY OF WASHOE
THE STATE OF NEVADA MISDEMEANOR
COUNTY OF WASHOE, Plaintiff CITATION
AGAINST

DEFENDANT: NAME **Doe**
RESIDENCE ADDRESS **1234 Main Street, Hill Valley**

RACE **W** SEX **M** DOB **05/12/1965**
SS# **123-45-6789** DL# **DL345678**
OCCUPATION/ADDRESS **Accountant, Hill Valley**

VEHICLE YR **19** MAKE **BUICK** MODEL **REGAL**

LIC PLATE **GHI** TIME OF OFFENSE

Person (Part 1 of 2)

SCAN LICENSE MENU N

LName **SMITH**
FName **JOHNATHAN**
MName

Home Address
12345 ANYWHERE STREET

Occupation & Address
ACCOUNTANT

Phone Number **213-555-5565** Social Security **123-45-6789**

v 4.6

A Closer Look at the E-Cite

The citation-writing program includes these sections and features:

Location of occurrence, including street, address, and cross street.

Person information, including name and address, as well as physical descriptors.

Vehicle information, with year, style, make, model, and color, and, most important, with license and VIN numbers.

Particular citation, offender, and violation data, from Reason for Stop, Disposition, and Duration, to Search and Seizure input fields, and more.

A complete codes section that provides (in drop-down lists) vehicle and municipal codes and violation descriptions and the ability to input multiple codes and violations (when needed, bail, court, and state assessment fees are automatically calculated when the codes are selected).

A print-preview screen which shows the citation as it will look when printed.

A Notes and Narrative section (for the officer's use), which allows input of information for such items as the defendant's statements, traffic control status, and roadway and vehicle conditions, as well as details of the offense.

Additional Features

The Crossroads Software Handheld Citation and Report Writing Program is not solely for use in the field. The system is provided with a data management and analysis system. By syncing the Pocket PC device with a Windows-based desktop or laptop computer, users can off-load the citations for records management, reporting, electronic and hard-copy transmittal to the courts and, most important, analysis, using database management and traffic analysis programs such as the Crossroads Software Traffic Collision/Citation Database. This process eliminates the time-consuming task of inputting and processing traditional paper citations.

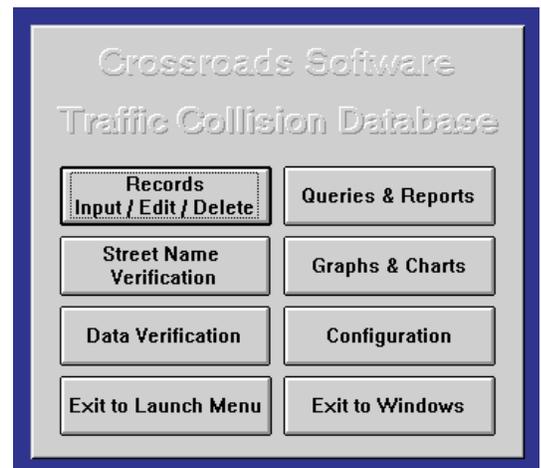
Additional features include:

Post-processing of street names using "master street" list-matching utilities to reduce the time to write the ticket and increase the accuracy of location-based analysis.

Completed citations can be off-loaded to a database-management system.

Back-end analysis: once off-loaded, the citations can be used for web-based queries and reports, GIS mapping, and analysis with the Traffic Collision Database.

Citations can be shared with other databases and with the courts.



Modular Design

The citation and report writing systems are very flexible. They have a modular design, meaning that the drop-down lists, input fields, options, structure, and features can be customized to suit your agency's needs. As a result, the Program can be supplied in a variety of formats, conforming to particular city, judicial, and agency requirements.

The system is compatible with software for running warrant and DMV checks using CDPD or a wireless network.



A User's Perspective

Commander Michael Haley of the Washoe County Sheriff's Department in Reno, NV has commented on the benefits of the Handheld Citation-Writing Program. The fact that the software provides a single point of entry is crucial. "Before (Crossroads), an officer wrote a ticket on the street in paper form -- the ticket must then be transmitted to court.....they [the court] in turn have to put it into a computer; when they get done with their judicial action, they then send it down to the state, who again puts it into a computer. We're moving to a single point of entry, and all of those users of that single document will be able to add information that is important to that process as the form makes its way down to the state."

One benefit is that it saves on manpower resources: "Every time that I can prevent having to re-enter information, I save FTEs (full-time equivalency) positions. And I can redirect the efforts of people in my organization to do other jobs."

Captain Haley finds that the ability to input, view, edit, off-load, and analyze data in one flexible system is particularly useful. "I can look at that data and make timely decisions about the distribution of tax dollars and my personnel to combat whatever we need to do."

In conclusion the software enables law enforcement agencies to increase their efficiency and eliminate time-consuming and expensive methods of processing cites and reports. Most of all, the Program allows users to manage information about citations, collisions and DUIs' more effectively and ultimately take steps to provide better enforcement and improve traffic safety in their agencies.

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