Smart Road Block System

OVERVIEW

The Syntell Smart Road Block system is a fully self contained mobile enforcement office which supports Law enforcement agencies to reinforce the rule of law. At the heart of the system is a fully networked data base system and Automatic Number Plate Recognition (ANPR) camera that automatically screens all vehicles approaching the deployed system. The onboard server is linked via appropriate connectivity for the location to regional as well as National data bases. The data derived from the ANPR camera is screened against these data bases and vehicles matching the search criteria selected will immediately sound alarms that notify officials to intercept the vehicle.

At the same time all details related to the vehicle are available for review and further process- ing. Typical information that is provided includes outstanding warrants, all offences that are linked to the vehicle registration number, once identified the option to reinforce such outstanding offences can be made. Vehicles with no outstanding infringe- ments can be confidently waved on. Facilities are provided for the administration of legal documents by appropriate officials as well as facilities to deal with On-line or manual payments if so required.

ANPR SYSTEM

Making use of industry leading ANPR cameras with highly developed Optical Character Recogni- tion (OCR) software capturing all reads to data file. The OCR Engine software can interpret all manner of plates, including all those encountered within Southern Africa. The camera unit has integrated Infra Red (IR) illuminator making it possible to deploy the vehicle at any time.

MULTIPLE REMOTE DATABASES

- The vehicle can query information from various databases on number plate reads and return results almost instantly.
- Area specific databases can be loaded manually into the system if required.
- Facilities are also provided for individual alerts to be sent to the vehicle.

VIOLATION VIEWING

- Two capture stations are manned by data capturers / law enforcement officials who capture the stopped offenders details (e.g. ID number, Traffic officer). This as well as details of offending fines are printed. The violation can also be retrieved from the payfine website if the driver wishes to view it.

SUMMONS SERVING

- Summons serving is possible at the roadblock which is connected to a traffic contravention server.

EXECUTION OF WARRANTS

- Warrants are scanned and digitally encrypted, it is then stored on the server making it available immediately if an offender is stopped with an outstanding warrant. Other functions of the capture stations are also:
- Manual queries can be done on the ID number or the persons registration number
- Manual queries can be done on the Initials and Surname of the person.

FINE PAYMENTS

- On-line terminals are available that enable the public to make payments.

OPUS TERMINAL

- The purpose of the OPUS terminal is to accept payments from people willing to pay their fines at the roadblock. With the live linkup to a local authority we are also able to printout existing fines in the event of a road user denying having ever receiving a notification. Facilities are provided for the printing of warrants and summons documents. There are credit and debit card facilities available for road users.
- A drop safe is available to store cash or cheque payments.

EMERGENCY WARNING EQUIPMENT PROVIDED IN THE ROADBLOCK TRAILER

- Road sign set
- Signs indicating a reduction of speed, Road Narrows from Left, Road Narrows from Right, Keep Left, Keep Right, Speed hump ahead, Check Point Traffic Control are all present to allow for a safe and secure roadblock
- Reflective jackets are available to be used by the officers on duty for their safety and that of the road users
- Night Flashers and Floodlight units may be used for greater visibility in bad lighting conditions
- Torches 3 cell
- Torch Wands
- Road Cones 450mm with sleeves are provided to clearly demarcate the road block area
- 4.2Kva Generator used to power the Roadblock equipment
- Xpress speed bumps are used to slow down vehicles approaching the roadblock

A Fire extinguisher is provided in the Smart Roadblock vehicle in the unlikely event of a fire occurring. Typist chairs, LCD screens, Notebooks, Desktop PC's, 3G modem, routers, network points, printers, etc. equips the smart roadblock vehicle as a complete mobile office solution.