| Please respond to the following specification list. We have an interest in each specification to assist us in our decision making. Is your product able to: | *Features (Standard-S Customize-C Unavailable-U)* | *Answers / Elaboration & Comments* |
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| When the System is configured to utilize an independent ALPR processor, the ALPR Processor and the cameras must be developed, manufactured and supported by the same vendor. | ? | |
| All camera cabling and camera connectors must be manufactured or assembled by the vendor that provides the ALPR System and all of the required components. | ? | |
| The Infrared (IR) Light Emitting Diodes (LEDs) ***must*** be "pulsed" to enhance license plate capture. | F | |
| All cameras must have a dual lens configuration in a single camera housing featuring ***both*** an Infrared (IR) lens for license plate capture ***and*** a color overview image of the vehicle. The integrated color and infrared LPR cameras must not emit any visible light from infrared illuminators. | F | |
| The System must have a "self trigger mode" to detect the presence of lawfully mounted vehicle license plates in the camera's Field of View (FOV) | F | |
| Cameras should be attached to the light bar without interfering with visibility of the complete light bar. Cameras should be no larger in size than 2" height, 8" width and 4" depth. | F | |
| The cameras must have a fixed focal point or target distance from the camera to the vehicle license plates from a minimum of 8 feet to a maximum of 34 feet under a standard camera configuration. | F | |
| The System must provide for the simultaneous display of any two (2) cameras as selected by the User and configured by the System Administrator. | F | |

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| The System must be capable of capturing license plates in any of the following modes: (a) an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots; (b) traffic in an adjacent lane while parked on the side or shoulder of a roadway; (c) any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle and (d) an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa. | F | |
| The camera configuration must be capable of switching from one monitoring mode to another via the software application by merely “pressing” the corresponding On-Screen Function Button. | F | |
| The System must provide effective license plate capture at night and in reduced light situations and total darkness with no external lighting required. | F | |
| The System must have the capability to capture a still image of importance at the officer’s discretion (manually) using the color overview portion of the Camera. | F | |
| The system must be able to accurately rad 90% of Texas license plates. | F | |
| The System must have the capability to capture vehicle license plates at speeds up to 130 mph with license plate capture and read accuracy rates (referred to as “System Efficiency”) in excess of 85%. **Bidder to provide independent test results from at least three North American law enforcement agencies verifying your accuracy claim.** | F | |
| The system must be able to accurately read flat printed license plates. | F | |
| The system must be able to read license plates in low and no light environments. | F | |
| The installation of the system, as a whole, must not interfere with the operation of **any existing emergency equipment** | F | |

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| As part of their standard product line, the vendor must also provide ALPR cameras and required components for fixed/stationery sites, as well as installation services and training for these types of systems. | F | |
| The System Administrator must have the capability to define the police department's database/s and assign a color code *and* priority level to each database to be used when a 'match' or a 'hit' occurs, i.e., stolen vehicles, stolen license plates, sexual predators, armed felon suspects, registered parolees, etc. | F | |
| The data file transfer must be accomplished by either of the following methods but not limited to Ethernet, USB or Wireless | F | |
| The application software (GUI application) that resides in the police unit must have the capability to provide for a User Name and Password as assigned by the System Administrator. | F | |
| The application software must be responsive in comparing a captured license plate against multiple and voluminous databases with *less* than a **15 second** response to a query of a database/s containing up to 10,000,000 records. | F | Calvin - Please advise if the time frame from capture of LP to return is sufficicient, or if it should be less than and if so, what is the time frame required. |
| The System must have the feature that allows "hot list" databases to be created in the field by authorized users and the authorized users must have the capability to add license plate data to the system's database/s while in the field. All license plate data added by the authorized user will remain a part of the selected database until the database is 'overwritten' by the System Administrator or by a new or updated database/s. | F | |
| The vendor must provide variants of the Optical Character Recognition (OCR) Engine that are tailored/designed for a specific State or regional license plate population | F | |
| As part of the vendor's system maintenance agreement with the customer, Optical Character Recognition (OCR) updates and/or revisions must be provided as determined by the vendor to address changes in the State's license plate population during the term of the maintenance agreement. | F | |

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| The system must provide live, simultaneous video display of data for the FOUR (4) cameras. | F | |
| The system must provide the IR License Plate Image | F | |
| The system must provide the license plate interpretation or system read | F | |
| The system must provide a corresponding color overview image of the vehicle displaying the captured IR license plate | F | |
| The system must provide the date and time the data was captured by the System | F | |
| The system must provide the identification of the Camera capturing the image | F | |
| The system must provide the GPS Coordinates for every license plate captured by the System | F | |
| The System must also have the capability to be configured whereby all 4 Cameras are operating simultaneously and matching license plate data against the databases. | F | |
| When the system identifies a “match” or a “hit” of the license plate, the color coded database indicating the name or title of the database against whichthe “match” occurred must be displayed in a timely manner on the system’s Hit Screen | F | |
| When the system identifies a “match” or a “hit” of the license plate,all narrative text, if any, should be displayed on the screen. | F | |
| The Hit Screen must remain displayed until acknowledged by the officer. | F | |
| While the "Hit" is displayed, the system must continue to process license plate data in the background and all captured data must be stored in the System during this interval without any User intervention. | F | |
| In the event that a subsequent “match or hit” should occur while the original Hit Screen is displayed to the officer, the System must alert the User that a second or subsequent “hit” occurred and the System is waiting for the (User’s) officer’s intervention. | F | |
| The System must provide a touch screen feature to enlarge the vehicle’s color overview image so that the User can examine it in order to gain additional information about the overview image or the verification of information. | F | |

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| The System must provide touch screen navigation capability for the police application GUI. | F | |
| The System must provide the customer with the ability to integrate the GUI application to their existing MDC. | F | |
| While the system is running in the background, the processor useage on the MDC will be minimal. | F | |
| The System must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application. | F | |
| The System must provide a visual and audible alert for each defined event that displays in the foreground regardless of other applications in use at that time | F | |
| The System must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the System's database/s. | F | |
| The System must provide the officer with the capability to review all of the following: "hits", license plate images and associated data, and license plate searches performed by the officer indicating the date and time the search was conducted | F | |
| The System must provide the officer with the ability to query the GUI application in the police vehicle to determine if a particular license plate is currently stored in the System. If the license plate data is in the System, the officer must have the ability to review each license plate capture and the associated System data displayed on the GUI application Review Screen to include: IR License Plate Image, the corresponding color overview image of the vehicle, and the ate and time the image was captured and the GPS coordinates or the captured data | F | |
| The System must provide the System Administrator with the ability to import national and local databases. | F | |
| The System must provide remote web access to stored data for analysis and reporting. | F | |
| The System must provide the ability to perform a full or partial license plate query against the databases. | F | |
| The System must provide the ability to perform a license plate search using "wildcard" values | F | |

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| The System must provide the ability to query for license plate data based upon time, date, location and the user. | F | |
| The System must provide the ability to utilize a mapping function to plot or identify the locations of a particular license plate or identify all plates captured in a particular area during a particular time. | F | |
| The System must provide the ability to utilize a mapping function to plot or identify the location of all “hits.” | F | |
| The System must provide multiple methods for downloading and uploading information between the vehicle and the back – office application including USB, Wireless and Ethernet. | F | |
| System must be comprised of self-illuminating Infrared (IR) cameras for effective license plate image capture in a variety of weather and lighting conditions. | F | |
| The application software must be capable of supporting multiple “hot list” databases including but not limited to NCIC Stolen Vehicles Database, Registered sex offenders vehicles, local wanted persons, and FBI's Most Wanted. | F | |
| As part of the overall System and functionality, a customized back – office software application must be provided by the vendor so the customer can manage all the data collected by each individual police unit, manage the database functions, provide reporting data and manage the user administration functions. | F | |
| The system must allow for multiple and simulateous user login and queries | F | |
| The system must allow users to search the database(s) using GPS coordinates and/or a date and time frame | F | |
| The system must be able to integrate with panasonic Toughbook MDC's without any third party software or hardware. | T | |
| The System must allow users to export individual search results to a spreadsheet format. | T | |
| The cameras must be capable of producing multiple license plate images with varying Shutter and Gain Settings to ensure a high quality image regardless of weather or lighting conditions. | T | |

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| The cameras must be capable of being permanently attached to the vehicle's emergency lightbar in a low profile manner to minimize impact on the lightbar system without drilling multiple holes or violating the integrity of the roof structure. | T | |
| There must be no moving parts in any of the cameras. | T | |
| The ALPR Processor must be designed to be trunk mounted or similarly mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start and shut – down each time the vehicle's ignition is turned on and turned off. | T | |
| The ALPR Processor must control the electrical power source supplied to each of the cameras and provide video connection points for simplified System wiring. | T | |
| The ALPR Processor must have an operating input range of 10.5-16.5V DC at 90W. | T | |
| The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit under various temperature conditions. | T | |
| All camera mounting bracket systems must be fabricated specifically for the vendor's cameras and must be furnished by the vendor. | T | |
| In addition to the camera mounting bracket systems that attach to the vehicle's emergency lightbar, the vendor must also provide camera-mounting bracket systems that can be installed on those police vehicles commonly referred to as "unmarked units" or those with no roof-mounted lightbar. | T | |
| In addition to camera mounting bracket systems for marked and unmarked police units, the vendor must also provide a magnetic mount that is made specifically for the cameras. The Magnetic Mount is designed to be used for temporary deployment of the System. | T | |
| If the solution uses RDBMS technology, it should be capable of supporting high availability and resiliency. | T | |
| The System must provide application security via a User Name and Password for each User as determined by the System Administrator. | T | |

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| The System must provide the System Administrator with the ability to determine System user access levels based upon user responsibilities. | T | |
| All hardware and software provided by the vendor must be covered under a one-year parts and labor warranty at no additional cost to the customer during the first year of service. | T | |
| The successful vendor must provide role based on-site System training for the System Users and the System Administrator/s as required by the customer. Vendor is responsible for providing electronic and hard copy documentations. City will be responsible for providing an environment conducive to learning. | T | |
| The successful vendor must provide System installation and/or System installation oversight based upon the customer's requirements. | T | |
| The vendor will serve as a single point of contact, and provide the name, address and telephone number of the individual to contact when both on-site and remote maintenance is required. The vendor shall further provide escalation procedures and contact names and numbers to be used when normal maintenance procedures are not adequate to resolve problems. | T | |
| All System documentation must be furnished in electronic format. | T | |
| The IR cameras must be sealed to IP67 Standards. | T | ***FYI: 'IP' stands for Ingress Protection [Rating] classifying degrees of protection provided against the intrusion of solid objects. '6' indicates dust tight and '7' indicates immersion up to 1m*** |
| Vendor must assist City of Austin in testing the license plate scanner implementation. | T | |