



# Project Proposal

## For a Parking Citation & Permit Database System

RFP-4532-16-J



**Prepared for:**

City of Hollywood  
Office of the City Clerk  
2600 Hollywood Blvd, Room 221  
Hollywood, FL 33020

**Prepared by:**

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October 6, 2016

ORIGINAL

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## LETTER OF TRANSMITTAL

Cardinal Tracking, Inc. is pleased to present this response to the City of Hollywood's request for proposal for a parking citation & permit database system.

With over 30 years of experience in the parking industry, Cardinal Tracking is confident that our solution meets the needs addressed by the City of Hollywood and can continue a relationship for many years to come with our additional products, services, and excellent support of our fully integrated hardware and software systems.

After evaluation, the Two Technologies N5Scan handheld device was selected by Cardinal to meet City's needs. The N5Scan is an unprecedented all-in-one Android™ device and part of the "N-Class" series of rugged handheld devices designed specifically for demanding environments.

Additionally, our proposal includes:

- Our complete TickeTrak software solution hosted in the cloud for the City of Hollywood. TickeTrak Complete is designed for customers needing comprehensive parking solutions including:
  - Citation Management
  - Permit Issuance and Management
  - Owner Management
  - Appeal/Court Management
  - Holds/Billing/Statements/Notices
  - Online customer portals for citation payment, citation appeal, and permit registration.
- Accessories and pricing for the Two Technologies N5Scan enforcement hardware
- Integration with pay-by-phone and meter partners
- Banner real-time integration for demographics and payment information
- Data conversion
- Ad-hoc report writer for free-form reporting and export to Microsoft Excel.
- An optional Genetec LPR solution with integration to Cardinal's enforcement.
- Training and installation pricing
- Warranty and technical support information and pricing
- Cloud hosting (powered by Rackspace) for reliable systems with minimal IT engagement.

Please do not hesitate to contact myself or Peter Tillman (800-285-3833 x 135 or [ptillman@cardinaltracking.com](mailto:ptillman@cardinaltracking.com)) should you have any questions, need additional information or to schedule a meeting. I invite you and your evaluation team to visit our office in Lewisville where you can meet our management staff, developers and customer support specialists.

Sincerely,

President, CEO  
Cardinal Tracking, Inc.  
800-285-3833  
[sleuschner@cardinaltracking.com](mailto:sleuschner@cardinaltracking.com)  
www.cardinaltracking.com



## PROFILE OF PROPOSER

### ABOUT US

Established in 1982, Cardinal Tracking is a privately held technology company of 36 employees located 20 miles north of Dallas in Lewisville, Texas. Since its inception, Cardinal has focused on providing complete business solutions through integrated mobile hardware technology.

Cardinal's TickeTrak™ Parking Management software revolutionized the parking industry by creating the first touch-screen handheld based citation issuance system. The solution equips officers with mobile devices for accurate and consistent data entry and provides the means to seamlessly transfer data into a robust back office parking management system. Once transferred, the data may then be used in integrated point-of-sale, permit registration, appeal processing and billing functions.

Over 400 customers across the nation later, Cardinal continues to develop and enhance this solution by offering the latest rugged mobile handheld devices with a variety of scanning, imaging and photo capture solutions.

Internet-based citation payment systems, appeals processing, and online permit registration eliminate long lines at the pay counter and support for the latest Microsoft Windows operating systems ensure compatibility across the enterprise.

Cardinal's multi-tiered support system moves customer issues from initial analysis, to advanced support and finally to development staff if required. Cardinal's development team is dividing into two functions – maintenance development and new product development. Maintenance developers are dedicated to resolving daily issues, bug fixes, and scheduled upgrades to existing products. New product developers are focused on creating new products, content and functions to Cardinal's existing line. Both development teams follow internal quality guidelines and utilize the same tools and techniques to ease transition of code from new product development to maintenance.

Cardinal Tracking's 30+ years of experience combined with quality personnel, leading edge mobile hardware, an unequalled support infrastructure, and forward thinking design and development guarantee that our clients receive the industry's best solution.

Cardinal Tracking has not been involved in any litigation in the last five (5) years and there is no pending litigation involving Cardinal Tracking.

## OUR MARKET & REFERENCES

Cardinal Tracking, Inc. has a long-standing history and experience in providing our solutions to the municipality market. Cardinal Tracking was the first company to introduce handheld technology for automated parking enforcement to a local university. Since 1985, colleges, universities and cities have relied on us for public safety and parking management solutions.

**City of Butte Silver Bow** – Client since 2014 and uses Casio IT-9000 units with our complete TickeTrak and TickeTrak Mobile solutions. Their population is around 34,000.

Contact: Butch Harrington, (406) 497-6273 [bharrington@bsb.mt.gov](mailto:bharrington@bsb.mt.gov)

**City of Dearborn** – Client since 2015 and currently uses the Casio IT-9000 with our base TickeTrak and TickeTrak Mobile solutions. Their population is currently around 95,000.

Contact: Mike Nelson (Corporal), (313) 943-2294 [mnelson@ci.dearborn.mi.us](mailto:mnelson@ci.dearborn.mi.us)

**City of Dover Police Department** – Client since 1994 and uses 3 Casio IT-9000 units with TickeTrak Complete. Their population is around 30,000.

Contact: Bill Simons (Parking Manager), (603) 516-2277 [w.simons@dover.nh.gov](mailto:w.simons@dover.nh.gov)

“Cardinal specifically has been very supportive over the years [...]. Their help center is second to none when you call in.” - Bill Simons, Parking Manager - Dover, New Hampshire, 2015

## SUMMARY OF PROPOSER'S QUALIFICATIONS

Cardinal Tracking is a privately held company and will be the sole contractor for this project. Our diverse customer support and programming staff are dedicated and highly qualified individuals that will fully support the parking management needs of the City of Hollywood. Our strength as a team comes from our long-standing tenure with many of our employees, which average over 8 years of experience with Cardinal.

### Principal Officers:

- Helmar Nielsen, Owner of Cardinal Tracking, Inc.
- Steve Leuschner, President of Cardinal Tracking, Inc.

### Experience of Project Team:

A variety of personnel from Cardinal Tracking will be involved in the different aspects of the entire system installation, training and implementation process. The following is identification of the personnel who will participate most extensively on the proposed project, with a brief description of their area of responsibility.

Cardinal requests the client to assign a Project Manager from their own team who will be the primary point of contact between Cardinal and the City of Hollywood. We'll also need access to IT resources in the areas of database, network, website, and others appropriate to specific interfaces which are required.

**Peter Tillman (ptillman@cardinaltracking.com) – Regional Sales Manager** – Regional account manager with over 10 years of experience in Public Safety solutions.

**Jeremy Moon (jmoon@cardinaltracking.com)– Client Support/Development Manager** – Responsible for the management of installations and post-implementation support services. Mr. Moon has been with Cardinal Tracking for seventeen years and has been a manager for eight of those years.

**Kathy Davis (kdavis@cardinaltracking.com) – Project Manager – Parking Solutions** – In combination with Jeremy, Kathy will be another point of contact for the duration of project implementation for the City of Hollywood. Ms. Davis has been with Cardinal Tracking for over 18 years specializing in our TickeTrak product.

**Mark Spencer (support@cardinaltracking.com) - Training/Installation & Support Specialist** – One member of our training team which could be responsible for the installation and implementation of our TickeTrak software once Cardinal Tracking has receipt of purchase. Mr. Spencer has one of the longest tenures with Cardinal Tracking and just recently celebrated working with our parking management software for twenty years.

**Steve Hayes (support@cardinaltracking.com) - Client Services Representative** - One member of our training team which could be responsible for the installation and implementation of our TickeTrak software once Cardinal Tracking has receipt of purchase. Mr. Hayes has over eleven years' experience installing, training and support services of Cardinal Tracking products.

## **PROJECT UNDERSTANDING, PROPOSED APPROACH AND METHODOLOGY**

Cardinal is prepared to deliver a solution meeting the requirements by the City of Hollywood. This solution will include a robust hosted records management application which can be utilized to manage all aspects of parking enforcement. This includes the ability to issue tickets in the field and all backend processing of that data for the purpose of collections. Also included is the ability to manage permitting from the point the customer requests the permit to the point the permit expires. Cardinal is also prepared to deliver the requested LPR functionality by utilizing our existing interface with Genetec's LPR system. Cardinal is also prepared to deliver the requested Parkmobile interface by providing our existing interface to enable the sharing of paid parking between the Parkmobile meters and our handheld enforcement devices.

The implementation of this solution will include various personnel from the Cardinal team. The single point of contact for this project will be the Project Manager, and they'll coordinate all communication on our side. Also involved will be various technical resources ranging from installation and training technicians to development resources as needed. Attached to this RFP response is a project timeline listing various item about your request. Once awarded the bid, Cardinal's Project Manager will initiate with a kickoff meeting involving the City of Hollywood team and the Cardinal team. During this meeting, the Project Manager will introduce the Cardinal team members who have been assigned to the project and begin to gather any additional data needed to begin the project.

Cardinal Tracking continues to maintain industry leadership status through our commitment to providing our customers with a full parking management system which integrates with a variety of vendors to offer our clients a complete solution. We have built an organization dedicated to providing quality support and providing our clients the latest advances in technology including integrations with a variety of partners to offer the City of Hollywood a complete solution should other parking management needs come up in the future. Should the City of Hollywood select Cardinal's TickeTrak as its solution, you may rest assured that you will work with the company which has the most experience in developing, training and supporting automated citation issuance systems.

Cardinal Tracking Inc. complies with all system requirements and services listed in the RFP.

Please view the following pages for a full description of the requirements set forth by the City of Hollywood.

Exhibit A

	Issue Date: September 1, 2016		City of Hollywood, Florida. Solicitations #RFP-45532-16-JE
	<b>Exhibit A - Parking Citation &amp; Permit Database System</b>		
<b>Number</b>		Available (Yes or No)	Vendor Comments
	<b>Application Requirements</b>		
	Objective: The City is seeking a Parking Citation & Permit Database System		
	<b>General System Requirements</b>		
1	Capability to function over a secured connection via the Internet.	Yes	All communications from hosted to client are over HTTPS with certificates or an optional site-to-site VPN.
2	Employ a fully relational database that allows data to be manipulated, linked, and queried.	Yes	TickeTrak uses MS SQL Server and supports all industry standard query tools.
3	Ability to disable fields, define fields as required, change field titles, and associate Default values by user ID.	Yes	Handheld software allows for enabling/disabling of fields as well as setting as mandatory. Desktop allows for limited field titles modification for user-defined fields. Field defaults may be defined but not on a user level.
4	Shall allow for the creation of a profile for each individual user. Profiles shall specifically detail access rights and security privileges as defined by the system administrator.	Yes	TickeTrak allows both individual and group definitions and roles.
5	Shall allow for a wide range of user access control that varies by module and security level from read-only to complete insert/edit/delete capability anywhere in the software system.	Yes	TickeTrak allows for module specific security down to the functional level of add/edit/delete.
6	System shall provide history (name, date, time and action taken if any) of each user accessing any record.	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
7	Shall provide a tracking/auditing trail of modifications/transactions executed by a particular user.	Yes	TickeTrak stores all data changes at a user level throughout the application.
8	Shall allow for the revocation of user access without affecting history of records access.	Yes	Revocation of security rights from the system does not affect record history. To revoke security access you simply need to set a termination date to sever the users ability to access the system.
9	Shall be fully functional with little downtime-Vendor should note proposed amount of uptime.	Yes	99.99% uptime is guaranteed with no more than 4 hours of scheduled maintenance per month.
10	Shall include 24/7 technical support.	No	Support is offered from 8AM-5PM (CST) Monday-Friday excluding standard national holidays. Network monitoring is provided 24/7.
11	Facility where equipment & data is stored shall be of high security.	Yes	Cardinal partners with Rackspace for hosting services. Please see Attachment1:RackspaceSecurity for detailed information
12	Shall have backup procedure/Disaster Recovery plan for system outages.	Yes	Please refer to Attachment2: CardinalTracking_DisasterRecoveryPlan_HostedCloudApplicationServices.pdf for details
13	Hosted version shall support the current version of any industry standard Internet Browser-list specific requirements.	Yes	TickeTrak is currently supported on Internet Explorer, Chrome, and Firefox.
14	Shall be able to securely encrypt data during the transmission process and provide protection to prevent unauthorized access.	Yes	All communications from hosted to client are over HTTPS with certificates or an optional site-to-site VPN.
15	System maintenance shall not be scheduled during normal working hours Monday-Friday, 6:00 AM - 6:00 PM Eastern Time.	Yes	We will plan system maintenance around customers schedule.
16	The hosted service shall allow for the City to extract or export data in CSV, TXT or XML format for import or integrations.	Yes	AdHoc and standard report tools allow data export to Excel and CSV.



## Exhibit A

17	The City shall have the ability and right to access the data housed in the hosted solution for the purposes of data extraction and export.	Yes	All direct server access must be scheduled through Support. Only City authorized users will be given this access.
18	Vendor should note if there are data storage limitations and provide additional information if expanded data storage for any records will be needed.	Yes	100GB of data storage is provided for the backend database and application. Additional data blocks may be purchased as needed. Please refer to the pricing sheet for cost information.
19	Provide for return of data at end of contract in usable format to the City.	Yes	Data will be provided in a MS SQL Server format.
<b>Citation Management</b>			
20	The software shall have the ability to provide direct access to citation information.	Yes	All manual and electronic citation data is available to authorized users within TickeTrak.
21	Shall allow the user to manually enter a citation into the system via keyboard and /or automatically upload via handheld.	Yes	TickeTrak supports both electronic and manual entry of citation information.
22	If entering a handwritten citation into the system manually, the original ticket shall be scanned into the record.	Yes	TickeTrak supports multiple standard file formats for attaching images, data files, videos, and other types of media files.
23	Shall display detailed violation information including fine structure (original fine, late fees, amount paid, amount due).	Yes	Full financial history including original fine, late fees, amounts paid and other adjustments are displayed on the ticket.
24	Shall provide extensive notes field including date and entered by.	Yes	TickeTrak provides a free form notepad for unlimited notes. User and date information is automatically recorded by the system.
25	Ability to create various statuses of a citation to include: void, transfer, uncollectible, reduction, etc.	Yes	TickeTrak supports standard status such as those mentioned as well as any other user defined status values desired.
26	Ability to change the status of a citation to include: void, transfer, uncollectible, reduction, etc.	Yes	TickeTrak allows authorized users the ability to modify the status of tickets in the system.
27	Void status shall have at least one hundred (100) user-definable reason codes which shall show on status screen.	Yes	Unlimited reason codes allowed.
28	Ability to track all changes and adjustments made to a citation to a specific individual, date and time.	Yes	TickeTrak stores all data changes at a user level throughout the application including the date/time of the change.
29	Shall support the attachment of scanned documentation, digital images, or electronic items to the citation.	Yes	TickeTrak supports multiple standard file formats for attaching images, data files, videos, and other types of media files.
30	Ability to directly access receipt (payment) information from the citation.	Yes	Full financial history including original fine, late fees, amounts paid and other adjustments are displayed on the ticket.
31	Shall limit access to parking citation to read-only or full edit capability based on individual user accounts.	Yes	TickeTrak allows for module specific security down to the functional level of add/edit/delete.
32	Generate and print notification letters while maintaining an audit trail within the application. Direct access to letter history and copies of each letter shall be retained.	Yes	TickeTrak retains a complete history of all correspondence associated with a ticket or account. This includes a copy of the actual letter/notice.
33	Ability to generate e-mail notifications and account statements. Direct access to each e-mail sent attached to each record.	Yes	TickeTrak allows for emailing of all corespondence.
34	Ability to define one violation per citation.	Yes	TickeTrak allows for a single violation per citation as well as optionally multiple violations per citation.
35	Ability to assign one unique account number per customer.	Yes	System assigns a unique account number for each person. There are other optional ID fields available as needed.
36	Ability to insert numerous user-defined fields for each customer, if not already available in the system. Example: DOB, driver's license number, permit numbers assigned, etc. Vendor's proposal should note what fields are available to link to each customer record.	Yes	TickeTrak includes DOB, Driver's License Number, Alternate ID, Local ID as fields to uniquely identify a person as well as unlimited user defined fields which can be used if needed.

## Exhibit A

37	Shall include a detailed list of the history of customer association with a citation.	Yes	Any changes to responsible person on a ticket are recorded by the system to ensure a full history of the ticket is maintained.
38	Shall include a detailed list of the history of a license plate and association with various cars via plate transfer from sale or lease termination.	Yes	TickeTrak stores all data changes at a user level throughout the application.
39	Direct access to the financial information related to the citation including payments, adjustments, late fees, etc.	Yes	Full financial history including original fine, late fees, amounts paid and other adjustments are displayed on the ticket.
40	Automatically assess escalations/late fees on user-defined dates that meet predetermined criteria without further user interaction.	Yes	Late fees can be run on demand or on schedule using predefined late fee structure criteria without user interaction.
41	Automatically generate letter for overdue citations without the user initiating the process (starting the procedure with a simple command).	Yes	Notice letters can be run on demand or on schedule using predefined criteria without user interaction.
42	Ability to provide summaries of payments paid and amounts due per owner.	Yes	Financial reporting includes the ability to report on specific user balances and financial transactions.
43	Ability to generate receipt copies showing amount paid and amount due.	Yes	Reprinting of receipts is supported by TickeTrak.
44	Ability to categorize registered owner information. Examples: Owner, leasing company, lessee, rental company, renter, etc.	Yes	TickeTrak supports user defined owner types.
45	Ability to create categories/subcategories of registered owner under one vehicle. Examples: Rental company, renter, etc.	Yes	Multiple owner associations are supported by TickeTrak.
46	Ability to reassign citations to a different customer. Examples: from vehicle leasing company to lessee or from rental company to renter.	Yes	Citations can be relinked to a different person or company when correct responsible person is identified.
47	Ability to identify potential duplicate records with option to merge the duplicated record into one.	Yes	TickeTrak provides utilities for managing duplicate records.
48	Ability to import and export text (.txt or .csv) files.	Yes	TickeTrak Import and Export utilities support .csv format.
<b>Boot &amp; Tow Management</b>			
49	The software shall generate Boot & Tow lists automatically, based on business rules set forth by the City.	Yes	TickeTrak automatically generates a scoff (boot/tow) file using predefined criteria without user interaction.
50	The software shall allow entry of boot fees and other administrative fees.	Yes	TickeTrak allows boot fees and other fees to be added to a person or ticket record.
51	Ability to generate Boot & Tow notice for mailing and flag violations as receiving notice.	Yes	TickeTrak allows for multiple levels of notices which can be configured with user defined criteria.
52	Ability to send Boot & Tow list information to handhelds and LPR software.	Yes	Scoff data is provided to both the handhelds as well as optional LPR software.
53	The software shall provide a module for vehicle boot and tow notification/disposition as follows:		
54	Officer can enter boot/tow information directly into the handheld to create record, including boot number and/or tow company (if used).	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
55	Officer can enter boot/tow release information directly into the handheld to update record, including tow company (if used).	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
56	Generate and print notification letters for disposition of scofflaw vehicle. Direct access to letter history and copies of each letter shall be retained.	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
57	Generate monthly scofflaw disposition report showing how many vehicles were impounded, how many tickets were paid, how many vehicles were released and how many vehicles have other dispositions (Towed, sold, scrapped, etc.)	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.

## Exhibit A

58	System shall provide notification at cashier level when booted vehicle is being paid. Notice shall be given if any outstanding tickets remain to be paid so xahier can notify customer vehicle will not be released until all eligible tickets are paid.	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
59	Shall track the citation appeals and court process. When a citation is place into appeal/court mode, the information related to the citation shall be linked or copied into the appeal record or court module.	Yes	TickeTrak appeals process tracks complete appeal history.
60	Shall provide extensive notes field including date and entered by.	Yes	TickeTrak provides a free form notepad for unlimited notes. User and date information is automatically recorded by the system.
61	Shall support the attachment of scanned documentation , digital images, or electronic items.	Yes	TickeTrak supports multiple standard file formats for attaching images, data files, videos, and other types of media files.
62	Ability to place/flag citations that are being appealed.	Yes	TickeTrak automatically flags citations which are under appeal.
63	Ability to temporarily stop fine escalations on citations that are being appealed.	Yes	TickeTrak automatically excludes citations on appeal from getting additional late fees.
64	Ability to flag files to not accept payment at City level once ciation is place in appeal status.	Yes	TickeTrak provides configuration options to prevent payment on appealed citations.
65	Ability to modify the citation to reflect the court decision and keep a history of these modifications.	Yes	TickeTrak appeals tracks grant or denial of appeals and all associated history.
66	Ability to create notification of Findings, Decision and Order reflecting the court decision and keep a history of these notifications. Direct access to notification history and copies of each letter shall be retained.	Yes	TickeTrak appeals tracks grant or denial of appeals and all associated history. Copies of all correspondence are stored by the system.
67	Inclusion of a judgement decision note field that can be incorporated in the printed Findings, Decision and Order. The field shall be able to be populated from a user-defined menu or by freeform comments.	Yes	Predefined judgment codes are available for appeal disposition. Free-form comments can be added.
68	Ability to change payment status of citation upon creation of notification of the appeal decision.	Yes	TickeTrak allows for the partial or full reduction of the outstanding balance of a citation. TickeTrak also allows for the changing of a citation to a warning or to another violation.
69	Ability to restart fine escalations on citations that have been appealed and upheld.	Yes	Once an appeal is adjudicated, normal fine escalations and events resume.
70	Display a visual alert to those citations that are on appeal, to include a printed listing and amounts due.	Yes	The treeview provides an icon as a visual indicator of appeal status.
71	Preference: the software should track the citation appeal and court process at the customer level. The module should provide the customer the ability to view all activity associated with appeals and track contact information related to a customer including multiple addresses, phone numbers and e-mail addressed.	Yes	Appeal history is included as part of citation activity for review.
72	Ability to view a summary section with direct access to all information and invoices with a customer screen.	Yes	TickeTrak's treeview provides an at a glance view of a summarized listing of an account.
73	Vendor should note the number of addresses, both physical and e-mail, their system can record in history for each customer.	Yes	Three TickeTrak email addresses per account as well as an unlimited number of physical addresses.
<b>Parking Permit Management</b>			
74	The system shall provide the capabiltiy to set up, issue, track and manage parkiing permits.	Yes	TickeTrak includes a complete permitting system where permits can be issued from within the application or requested via online portal.
75	When a permit is issued, a relationship should be established between a customer, a vehicle, and the permit.	Yes	Permits within TickeTrak can be linked to both a person and/or vehicle.
76	Record a permit effective date, issuance date, and expiration date.	Yes	Permits have date fields for each of the purposes described in this requirement.

## Exhibit A

77	Ability to register more than one vehicle to a permit.	Yes	Permits can be linked to one or more vehicles and one or more people.
78	Ability to inventory and track permits as they are being issued.	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
79	Ability to download permit information to handheld ticket writers.	Yes	Active permit data is transmitted to the handhelds real time throughout the day as permit data changes.
80	Restrict the number of permits a customer can purchase.	Yes	TickeTrak doesn't limit the number of permits purchased by a single individual but this can be managed during the validation process to limit people to a certain number of permits.
81	Restrict the number of permits that can be associated with a specific address.	No	TickeTrak doesn't limit the number of permits purchased by a single location automatically but this can be managed during the validation process to limit locations to a certain number of permits.
82	Ability to set permit fees and generate billing statements.	Yes	Permit types within TickeTrak can be specified by the user and permit billing statements can be generated.
83	Ability to handle a prioritized or non-prioritized waiting list.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
84	Automatic update of the wait list position number when records are inserted or edited.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
85	Ability to print permits.	Yes	Template process allows for custom creation of permits for printing within the parking office.
86	Support attachments of scanned documents, digital images, or other electronic files.	Yes	TickeTrak supports multiple standard file formats for attaching images, data files, videos, and other types of media files.
87	Capable of e-permitting.	Yes	Permits can be issued from within TickeTrak as well as online using the optional permit portal.
88	Ability for customers to make online payments and pay via credit card (MasterCard, Visa).	Yes	The online permit portal allows for various payment types such as the credit cards specified in the requirement.
89	Ability to generate a receipt to the customer automatically.	Yes	Payments taken within TickeTrak as well as those taken via one of our online portals automatically generate receipts and allows for printing of multiple copies at the time of printing as well as the optional ability to email receipts to the customer.
90	Ability to add permits, update permits, generate lists of valid permits and other pertinent reports.	Yes	TickeTra includes numerous permit reports as well as the ability to create custom reports using our included AdHoc report creator.
91	Ability to sell permits in bulk permit to customers.	Yes	TickeTrak includes a batch permit module where a batch of permits can be created and linked to a single person/business.
92	Ability to create permits for specific locations.	Yes	TickeTrak allows permits to be linked to a specific location.
93	Ability to notify customers on payment plans that payments are late or card is declined.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
94	Ability for customers to pay with cash and credit card. Payment and Cash Management	Yes	Various payment types can be accepted from within TickeTrak including, but not limited to cash and credit cards.
95	The cash management software shall allow for a receipt printer and electronic cash drawer attached to a standard City PC workstation thus creating a true, fully functional cash management system. The software shall allow for direct posting to the proper financial account and complete convenient access to virtually any information in the system without leaving the cash management screen.	Yes	TickeTrak supports integration with receipt printers and cash drawers. TickeTrak provides financial reporting broken down into user specified accounts.
96	Ability to work with or without a cash drawer.	Yes	TickeTrak can function independent of a cash drawer.

## Exhibit A

97	Ability to track all transactions by cashier regardless of PC used.	Yes	All transactions for a cashier are logged under their login regardless of which PC they use to accept a payment.
98	Posting of payments for citations, permits, access cards, and fees.	Yes	TickeTrak can accept payments on Citations, Permits, Fees, and other miscellaneous items.
99	Ability to accept and post both full and partial payments.	Yes	TickeTrak has the ability to accept both full and partial payments. TickeTrak also allows the system settings to restrict partial payments.
100	Ability to post payments before citation information has been imported from handheld ticket writers ("skeletal" citation) and have that information automatically updated when the citation is later uploaded from the handheld.	Yes	TickeTrak has a fully functional skeletal ticket process to allow payments to be made against tickets which haven't been entered into the system. When the ticket is finally merged, the partial data entered for the payment will be merged with the original ticket record.
101	Ability to disallow the acceptance of payment (example: NSF checks) on specific accounts, license plates, or individuals.	Yes	TickeTrak has a return check process which will alert the cashier of past return checks. TickeTrak also allows for the creation of custom defined cautions to warn the cashier about other circumstances for which they should be aware.
102	Print a receipt that clearly identifies individual transactions or items purchased, including citations paid, permits paid, access cards paid.	Yes	Payments taken within TickeTrak as well as those taken via one of our online portals automatically generate receipts and allows for printing of multiple copies at the time of printing as well as the optional ability to email receipts to the customer.
103	Complete close out process with detailed daily reconciliation reports.	Yes	TickeTrak allows for end of day balancing of a cash drawer as well as end of day reports listing categorized listings of moneys taken in and complete transaction listing reports listing every payment received in the specified time period.
104	Ability to restrict a permit sale until all citations are paid.	Yes	Both TickeTrak and the online permit portal are able to be configured to restrict permit purchases by customers having outstanding citations.
105	Ability to print receipts on demand.	Yes	TickeTrak automatically generates receipts when payments are accepted and receipts can be reprinted on demand.
106	Ability to establish payment plans.	Yes	TickeTrak allows for the creation of time payment schedules and plans.
107	Capability to back out payments from returned checks, mark return check receipts, and associated fees, send customer a defined standard return check notification.	Yes	TickeTrak has a returned check process that allows users to automatically add NSF fees, reverse payments and send the customer a letter. We also mark that customers record and alert users during future transactions.
108	Ability to adjust or reduce the fine amount of any citation. This ability shall be set only to high security access levels.	Yes	TickeTrak allows users with proper rights to post adjustment to citations.
109	Ability to change the payment status of any citation (Void, uncollectible, warning, etc.). This ability shall be set only to high security access levels.	Yes	TickeTrak allows users with proper rights to change the status of a citation to void, writeoff, or to post adjustments to reduce the outstanding violation amount.
110	Ability to void a payment after receipt is processed and ability to repay once voided. (This can be used to adjust errors by reversing payments and re-applying them). This ability shall be set only to high security access levels.	Yes	TickeTrak allows only users with proper rights to void transactions
<b>Notice and Letter Generation</b>			
111	The software shall provide a module to allow for the notification of overdue invoices, overdue permit payments, permit renewals, return check or non-sufficient funds, installment of payment plan, vehicle boot and tow notification/disposition, unpaid citation notices (i.e. second notice and third and final), and customer balance statements.	Yes	TickeTrak allows customized letters for various purposes throughout the system.

## Exhibit A

112	Send notices and letter via e-mail and retain a copy attached to the citation record. Note/record if message is returned undeliverable.	Yes	TickeTrak saves copies of all correspondence attached to the ticket/permit which were printed or emailed.
113	For each type of standard letter in the database file, the software shall allow the user to print only one such letter applicable to only one citations, vehicle, or customer or complete "batch" of that type of letter for all applicable citations, vehicles, or customers when certain user defined conditions are met.	Yes	TickeTrak provides the ability to print batch statement/notices or single statement/notices on demand.
114	Allow letter to be printed on a standard printer that can be accessed via a local workstation.	Yes	Letters from TickeTrak can be printed to any Windows supported network or local printer.
115	Generate and print notification letters while maintaining an audit trail within the application. Direct access to letter history should be provided as well as storing a copy of the e-mail in the history.	Yes	When letters are generated within TickeTrak a status record is created to maintain the full audit trail for the record as well as retaining copies of the printed/emailed letters.
116	Allow a number of user-defined letter headings to be selected by letter type. Give the #	Yes	Unlimited custom designed template forms.
117	Ability to remove letter notification should letters be printed in error. This ability shall be set only to high security access levels.	Yes	Notice letter status can be undone in the event of a print error.
118	Automatically generate letters/e-mails for overdue citation notices without user initiating the process.	No	Notice letters can be run on demand or on schedule using predefined criteria without user interaction.
<b>Task Scheduler</b>			
119	Support execution of pre-defined tasks including escalating fines, generating letters, and data imports/exports.	Yes	TickeTrak supports the scheduling of notices and late fees but currently doesn't support scheduling of import or export processes.
120	Ability to perform user defined tasks which may include but not be limited to: report generations, data exports, data imports, handheld downloads and uploads.	Yes	Handheld downloads and uploads as well as configuration changes for the handhelds are transmitted live and require no user interaction. Reports as well as imports and exports are currently manual processes.
<b>Report Generation</b>			
121	The software shall be capable of producing pre-defined reports concerning citation activity and permit sales activities with a variety of sorting options such as but not limited to: Date ranges, Ticket # ranges, Outstanding Citations, Citations Issues by Officer, Citations issued by Location, and Citations issued by Violation. The following are examples of types of reports that the software shall produce, however, this is not a complete list.	Yes	TickeTrak comes with many standard reports which allow user specified sorting and criteria. TickeTrak also includes an AdHoc report creator so the user can customize other reports as needed.
122	A listing of citations written by violation type sorted by user defined structure such as: date range, officer, location, violation.	Yes	TickeTrak provides this report.
123	A listing of all outstanding citations by person or vehicle.	Yes	TickeTrak provides this report.
124	Number and percentage of citations issued for a violation type.	Yes	This report can be created in the AdHoc report creator.
125	Monthly accounts receivable report for citations paid, unpaid, and partially paid.	Yes	TickeTrak provides this report.
126	A listing of all outstanding citations by citation number, license number, date or customer name as defined by user.	Yes	TickeTrak provides this report.
127	A listing of license plates that do not have registered owner information. The report shall also list how many times the R/O information has been requested. This report shall be in Excel so the data can be manipulated.	Yes	TickeTrak provides this report.
128	A detailed report of all activity for a given cash drawer on a given day. The report shall be broken into revenue transaction category.	Yes	TickeTrak provides an end of day report by user.
129	A report that will produce aging status for unpaid citations and invoices. This report can be broken down by past due status such as: 30 days, 60 days, 90 days, and 120 days.	Yes	TickeTrak provides this report based on user defined schedules.

## Exhibit A

130	Vendor shall note the reporting program/software used for creating reports. Any licensing required shall be provided as part of the Vendor's package.		All reports within TickeTrak are included with the softawre and no third party software licenses will be required by the custmoer.
131	Vendor shall note if reports can be exported to other formats. Those formats shall be listed in the proposal.	Yes	TickeTrak allows reports to be exported to PDF, Excel, and CSV.
<b>Inquiry Manager</b>			
132	The software shall include a query manager tool that can be used for information inquire/query building and data export.	Yes	TickeTrak's AdHoc report creator allows for creation of reports to export data.
133	A query viewer should be available that includes the name of the query, description, and if the query is associated to a task.	Yes	TickeTrak's AdHoc report creator allows for custom naming of reports.
134	Ability to maintain queries. Maintenance items include the ability to view, edit, export, import, clone, and delete queries from the query viewer.	Yes	AdHoc reports can be shared (imported/exported) between TickeTrak users.
135	Query builder that allows users to create a new query. A wizard should guide the user through the query creation process.	Yes	TickeTrak's AdHoc report creator guides the user through creating the report using a wizard.
136	Instruction guide on how to use the Query Manager tool.	Yes	
137	Ability to use a query to edit data in batch form.	No	AdHoc report tool is only for viewing data.
<b>Document Management</b>			
138	They system shall generate and regenerate email, letter or invoices manually or automatically based on settings created by administrators. Triggers for automated communication should be able to be configured based on a variety of parameter combinations, including customer data and sales history, and shall be scheduled or sent immediately, in the future, or at regular intervals.	Yes	Notice letters can be run on-demand or on schedule using predefined criteria without user interaction.
<b>Data Import/Export</b>			
139	The software shall be capable of creating file formats that readily facilitate and accommodate data import/export between all aspects of the parking management system and external agencies or departments, including various other software programs. Two examples are the Department of Motor Vehicles and outside collection agency.	Yes	Cardinal can create custom interfaces when needed and also allows for imports and exports in standard industry supported formats to facilitate interfacing with other systems without the need for custom applications. Cardinal has an interface to the Florida DMV for the purpose of owner inquiry and holds/release processes.
<b>Web Services/Mabile App</b>			
140	The system should include a comprehensive e-commerce portal as well as an optional iOS and Android mobile application, which allow customers to manage their parking needs from any computer or mobile device.	Yes	Cardinal provides a responsive designed ecommerce portal which works on desktop and mobile devices. No current iOS or Android apps are provided.
141	The software system shall offer web services to allow external programs access to features within the application. Web services shall, at a minimum, specifically interface with citation payments, permit sales, appeals, waiting lists, with the ability to access account information. The system should allow for the creation of a web -based interface allowing secure online transactions.	Yes	Cardinal's open architecture provides web services and API's for key functions within the application.
142	Ability to allow for administrative control for editing the e-commerce web page.	Yes	E-commerce web pages allow for CSS and minor editing to conform with organization look and feel to authorized users.
143	E-commerce page should support all forms of credit card payment and meet all PCI/DSS compliance standards.	Yes	TickeTrak complies with PCI standards via its approved ecommerce providers. See attachment for a list of approved ecommerce providers. The TickeTrak application does not directly capture or store credit card data.
144	Web services shall support user authentication (login/password).	Yes	Web-based authentication is provided through OAuth, Active Directory, and CAS methodologies.

## Exhibit A

145	Web services shall be capable of operating over a secure network connection.	Yes	All communications from hosted to client are over HTTPS with certificates or an optional site-to-site VPN.
146	All activities performed by a web service shall be logged in the system activity and/or financial log of the systems.	Yes	Any updates performed using TickeTrak's web services are audited.
147	Web services shall offer real-time interaction with the parking database.	Yes	Web services interact directly with the parking database.
148	Web services shall allow a customer to pay a parking citation by the citation number or license plate number including one citation or all citations.	Yes	User can choose to pay a single citation or all outstanding citations on their account.
149	Web services shall fully allow for permit sales waiting list information entry.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
150	Web services shall allow for a customer to update personal address information without viewing any current data; information updates shall be provided via a report.	No	Customer's updating address information have access to current address information.
<b>Booting /Towing</b>			
151	The software shall allow the user to process a booted/towed vehicle. This includes booting/towing the vehicle and releasing to the owner.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
152	Field entry for boot report number and location.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
153	Ability to enter towing information.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
154	Support the attachment of scanned documentation, digital images or other electronic items for the record.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
155	Extensive notes field.	No	This feature is planned for future addition to TickeTrak but it's currently not in the application.
<b>Application Development Rights</b>			
156	The system should allow for non-commercial, custom application development against the system. The organization should be able to create custom programs and have the system execute those programs in an unattended manner according to the City's desired schedule.	Yes	Cardinal allows authorized developers access to system API's for approved integration. The execution of customer code is the responsibility of the customer.
157	The vendor shall offer data conversion services. Data is currently stored in a hosted environment by T2 Systems. Data to be converted includes customers, vehicles, citations and permits. Vendor should explain what is included in the proposed data conversion service.	Yes	Cardinal will provide data conversion from standard sources including SQL Server data and CSV data formats.



Exhibit B

<b>Exhibit B - Handheld Unit Specifications</b>			
<b>Number</b>		<b>Available (Yes or No)</b>	<b>Vendor Comments</b>
	<b>Application Requirements</b>		
	<b>Handheld Hardware</b>		
1	The handheld enforcement units shall be able to integrate with the Parking Citation & Permit Database System proposed.	Yes	The hardware proposed has been certified to work with Cardinal's TickeTrak Mobile software
2	The handheld enforcement units shall have cellular voice and data communications (Internet connection to provide real-time operation).	Yes	The hardware proposed is equipped with cellular data and voice capabilities. All carrier costs are not included and are the responsibility of the customer
3	Built in printer or support Bluetooth connection for printer.	Yes	The proposed handheld has an integrated printer.
4	Battery life over 8 hours in normal usage (Hot-Swappable Battery or Extended Battery Case).	Yes	Battery is hot-swappable.
5	High-resolution color touchscreen that is easily readable in full sunlight – i. e. high contrast, no glare, large font size.	Yes	Display is a 5.7" diagonal, super AMOLED. 1080X1920. Contrast ratio is nominal 3.997;1 (sunlight)
6	An operating system that emphasizes ease of use in performing everyday tasks, and hides advanced features by default (to be enabled when necessary).	Yes	Cardinal is proposing a unit running Android (5.0 or later).
7	At least a five (5) megapixel or higher quality camera with flash capability that can provide up to four (4) images per citation. Vendor should note storage capacity of proposed handheld equipment.	Yes	Internal 16GB storage capability plus a micro SD slot capable of holding up to 128GB.
8	Handhelds shall have the capacity to store a large amount of photographs.	Yes	Internal 16GB storage capability plus a micro SD slot capable of holding up to 128GB.
9	Internal Global Positioning System (GPS) for geo-spatial functionality and reporting.	Yes	The proposed device provides an integrated GPS receiver that supports A-GPS and GLONASS
10	Preferred: The GPS system should also notify the officer if they are trying to write a ticket on an incorrect location. Example: the officer is writing a ticket on 2nd Street but enters 2nd Avenue on the ticket. The location is far enough from the GPS location of the handheld that the unit notifies the user and asks for verification.	No	This function is not currently supported.
11	Light-weight and durable- Able to function properly in various weather conditions. (Hot, cold, wet).	Yes	26.7 oz with full paper roll.
12	Preferred: Unit should support one-touch audio recording for interactions with customers.	No	This functionality could be accomplished using an app outside of TickeTrak Mobile.
13	Explain process of data transfer and/or battery charging.	Yes	Cardinal recommends using the optional cradle (single or 4 dock options) for charging the device at end of shift. The device also has an option for a car charger if needed.
14	Ticket stock should be available to purchase from multiple vendors.	Yes	While Cardinal's print services are certified to work in the handheld proposed, the customer may paper rolls from other vendors that meet the handheld manufacturers specifications

Exhibit B

	<b>Handheld Software</b>		
15	The software shall require a password / security sign on. The software should require the user to sign in again after user-defined amount of inactivity.	Yes	No inactivity login from our application but this is a feature supported by the Android OS.
16	The software shall be completely configurable so that the Office of Parking may select data entry fields and make them a required entry, an optional entry, or an unused field	Yes	TickeTrak Mobile requires certain key fields for ticket issuance. All other data may be marked as mandatory or unused (hidden)
17	The software shall easily allow the user to display all citation data entered to that point and to edit or modify any field without disruption of the citation entry process.	Yes	TickeTrak Mobile provides a Preview screen showing data entered for the current ticket up to that point. Any data may be edited by tapping on the data from the preview screen.
18	The software shall automatically fill certain fields from the previous citation, e.g. street and violation to make the issuing process easier for the user. Auto-filled fields should require verification from the user.	Yes	When creating a new citation, the user has the ability to retain data from the previous citation.
19	The software shall be able to notify the user of various issues that can arise in the field, e.g. vehicle is boot-eligible, stolen, has expired registration, etc. These notifications should be definable by the user.	Yes	TickeTrak Mobile supports scofflaw lookups as key elements of the ticket are entered and alerts the user to any matches.
20	The software shall allow the creation of a file of special notifications (GET VIN, TOW IMMEDIATELY, etc.) to be sent to the handheld.	Yes	Automated (based on rules/criteria) and manual scofflaw entries may be created on the back-end software to send to the handheld for enforcement
21	The software shall allow the user to view any citation written by the user since the last upload of data to the host.	Yes	TickeTrak Mobile provides a ticket review function to view all citations written since login.
22	The software shall support reprinting of an issued citation. This reprinted citation shall contain the same time as the original citation, not simply the time it was reprinted.	Yes	TickeTrak Mobile allows the user reprint any citation (with original data) for any citations issued since login
23	When the license plate is entered during a citation entry, the software automatically searches the scofflaw and tow request file for a match. If a match is found, the vehicle information shall be automatically entered into the proper data fields without additional keying by the officer. If a match is found in the scofflaw or tow request file, the software shall display the number of unpaid citations and outstanding balance as of the last download of data to the handheld..	Yes	Latest outstanding balance info is not sent to the handheld.
24	The software shall have the ability to scan barcodes.	Yes	TickeTrak mobile placed data from barcodes scanned into the currently selected field
25	The software shall support entry of information such as vehicle make, model, color, style, plate type, violation, void, and standard codes. The citation entry screen shall be a selectable format such as drop down menus.	Yes	Void is not currently supported in the field.

Exhibit B

26	The software shall have the ability to enter both public and private comments that can be transferred into the database. The software shall be adaptable so the user may be able to enter up to three (3) lines of printable comments per citation. Any additional line of comments can be added but not printed on the citation. This additional line can be used as "private" comments by the issuing officer.	Yes	Both public and private options as well as pre-defined and manual entry of up to 4 comments per ticket.
27	The Comment file for the handheld should be definable by the City so specific comments can be found by typing only a few keys. Example: NPD would equal "No Permit Displayed", NP9NWE would equal "No Parking 9AM-Noon Wednesday". All shortcuts and long form comments would be definable by the City.	Yes	Pre defined comments and searching supported
28	The software shall support the ability to issue a citation warning.	Yes	Warning citations may be issued
29	The software shall have the ability to enter, track and issue parking infractions from a tire chalking application.	Yes	Timed parking and chalking supported
30	Preferred: All data used for electronic tire chalking be communicated to all powered devices in the field so the data is usable by all enforcement staff over multiple shifts.	Yes	Shared time parking supported
31	The software shall have the ability to set certain violations with requirements the officer must follow in order to issue a citation. Examples: i. All violations require at least one comment in the Comment field. ii. Timed violations require the original time the vehicle was "chalked" if the original timing was not performed using the handheld device iii. Permit parking violations require the user to verify the citation issuance if a valid permit is noted and that verification shall be recorded iv. Handicap parking violations require at least two images. Fire hydrant, crosswalk and double parking violations require at least one image. The handheld should require the necessary number of images for violations that require them as evidence.	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
32	The software shall support the ability to have photographic images transmitted electronically to the parking management system along with the violations to which the images pertain.	Yes	Images are transmitted real-time.
33	The software shall support the ability to allow the officer to review photographs taken in the field and to retake photos where images are distorted, unclear, etc.	Yes	Picture review is available.
34	The software shall have the ability to provide an audit trail via GPS of citation issuance for each handheld.	Yes	Software captures GPS Long/Lat for each citation taken.
35	The software shall have the ability to communicate in real-time with the City's multi-space meter parking system and pay-by-cell parking provider to verify payments.	Yes	Interfaces available with Parkmobile, Pango, and PayByPhone. Other vendors will be interfaced as needed.
	<b>Hardware and Software Maintenance and Support</b>		

Exhibit B

36	Vendor shall offer a maintenance agreement that will cover all parking management system hardware and software support. This should include troubleshooting, installing upgrades, training, and performing routine checks to achieve maximum performance. Upgrades and preventative maintenance should be handled remotely and after normal business hours, leaving our operation with little or no downtime.	Yes	Cardinal offers hardware, software, and service warranty programs.
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Exhibit C

<b>Exhibit C - Required Integrations/Interfaces</b>			
<b>Number</b>		<b>Available (Yes or No)</b>	<b>Vendor Comments</b>
	<b>Application Requirements</b>		
	<b>w/ Parking Mobile Payments</b>		
1	The system shall have the ability to integrate/interface with pay-by-phone systems. Please disclose the pay-by-phone vendors that your firm have proven integration.	Yes	Interfaces available with Parkmobile, Pango, and PayByPhone. Other vendors will be interfaced as needed.
2	<b>w/ Multi-space Pay By Plate Parking Meters</b>		
3	The system shall have the ability to integrate/interface with pay-by-plate multi-space meter systems. Please disclose the pay-by-plate meter vendors that your firm have proven integration.	Yes	Interfaces available with Parkmobile, Pango, and PayByPhone. Other vendors will be interfaced as needed.
	<b>w/ Single-space Credit Card Enabled Meters</b>		
4	The system shall have the ability to integrate/interface with single-space, credit card enabled meter systems. Please disclose the single space, credit card enabled meter vendors that your firm have proven integration.	No	We are currently working with several industry vendors to create this interface.
	<b>w/ Florida Department of Highway Safety and Motor Vehicles (DMV)</b>		
5	The system shall provide an interface with the State of Florida DMV using FTP technology, or a suitable alternative acceptable to the DMV, to send inquires to and receive back registered owner (RO) name and address information on a monthly basis.	Yes	
6	The system shall provide the ability to import out-of-state vehicle registration information from all other United States vehicle registration departments. If using an outside vendor for this service, please provide the name and pertinent information for that vendor.	Yes	
7	The system shall provide ability to automatically link registered owners to their license plate in the system.	Yes	
8	The system shall provide a list, after each upload from the Florida DMV or other state DMV's, of all vehicles without corresponding registered owner (RO) information so data can be reviewed for inaccuracies.	No	This feature is considered for future addition to TickeTrak but it's currently not in the application.
9	The system shall allow the City to delete vehicle records created due to errors of data entry.	Yes	
	<b>w/ Outside Collection Agencies</b>		

Exhibit C

10	The system shall support processing of export/import files from collection agencies. Please disclose the collection agency vendors that your firm have proven integration/interface.	Yes	We provide a generic import/export process as well as a generic collections agency process which can be used by any desired collection agency.
<b>w/ License Plate Recognition Systems</b>			
11	The system shall have the ability to integrate/interface with license plate recognition systems. Please disclose the license plate recognition vendors that your firm have proven integration	Yes	Genetec

Exhibit D

<b>Exhibit D – Future Integration /Interfaces</b>			
<b>Number</b>		<b>Available (Yes or No)</b>	<b>Vendor Comments</b>
	<b>Enterprise Resource Planning Software (ERP)</b>		
1	Please disclose the vendors that your firm have partnered with regarding ERP systems.	No	
	<b>Single Sign-On Integrations</b>		
2	Please disclose the clients/customers that your firm have provided single sign-on integrations.	No	

Technical Requirements

	City of Hollywood Requirements	Cardinal Tracking's Response
<b>SECTION 2: SCOPE OF WORK</b>		
2.1.1	Provision, operation and maintenance of a Windows based automated ticket management and permit processing system delivered to existing City desktop PC's via the Internet. The City's preference is for a system hosted by the Vendor. If additional PC's are needed to support the system, other than those currently in use by City staff, those shall be provided as part of the proposal.	We're proposing a solution which can be hosted by Cardinal.
2.1.2	All hardware, software and related equipment/services shall be compatible with the City's existing network infrastructure for complete ticket processing/management activity. The City's Information Technology Standards are shown in Section 6. As technology advances are made or if the City's IT infrastructure is upgraded, the vendor must be able to modify their services to comply with the latest technology. The cost for those modifications can be negotiated at a then current rate approved by the City.	Comply
2.1.3	The Vendor shall note any photo and citation record storage limitations. Vendor's Cost Proposal should note additional costs if storage needs to be increased to meet the City's requirements.	Data storage is limited to the storage capacity of the handheld unit selected by the client. 1TB of data storage is provided for the backend database and application. If data needs exceed this level, pricing will be provided at the the then current rate for additional storage.
2.1.4	Conversion of existing data to the new ticket management and permit processing system.	Pricing provided for data conversion needs. Data will need to be provided in a standard formats such as SQL Server or CSV.
2.1.5	All necessary interaction with the Florida Department of Highway Safety and Motor Vehicles (DMV) (vehicle registration information and registration holds), municipal court (hearings and decisions), registered owner information retrieval from nationwide (United States & Canadian Bureau of Motor Vehicles interfaces) Department of Motor Vehicles and all other agencies (vehicle rental car/leasing agencies) necessary to complete the intent of this RFP.	TickeTrak has an optional interface to the Florida DMV for owner inquiry and holds/release processes. Cardinal also offers a nationwide DMV lookup service for out of state owner inquiry.



## Technical Requirements

2.1.6	Provision of an automated customer service toll free number that can use Interactive Voice Response (IVR) technology for payments after-hours, weekends and holidays including a dedicated extension to leave a voice mail or call back number that would be retrieved by City staff.	Cardinal does not currently offer this service to our parking customers, but we do offer it to our municipal court customers for citation payments. If this is required, we will engage with our IVR vendor, but depending on time frames this may not be available at go-live.
2.1.7	Procurement of all paper goods as they relate to the operation (i.e., electronic ticket stock, return payment envelopes, etc.).	Pricing provided for ticket design and ordering.
2.1.8	Data acquisition and mail address error correction, document storage, IVR payment processing, web payment processing, report generation and distribution, audit and control processes, quality assurance and telephone processing.	
2.1.9	The vendor shall provide procedures for regular back up of all City data files.	Cardinal provides managed cloud backups as part of our hosting solution. Full database and image backups are performed twice daily with a 60 day retention.
2.1.10	The vendor shall provide a Disaster Recovery Plan should a disaster occur (e.g. fire, flood, hurricane, hardware/software or communication failure, etc.). The plan will encompass all components of the system including parking tickets and reports. The City shall be assured that all aspects of the plan are performed in a timely manner. The City of Hollywood shall have a complete and uninterrupted flow of services at all times.	Please see attachment: Attachment3CardinalTrackingDisasterRecoveryPlan.
Handheld System Requirements		
2.2.1	The handheld equipment used to issue parking citations shall use an online real-time processing system utilizing the following technologies:	Cardinal's TickeTrak Mobile for Android combined with the N5Scan hardware from Two Technologies is capable of real-time and batch communications. It is the customers responsibility to provide a viable network (wifi/cellular) for communications.
a	Physical/Environmental Characteristics	Proposed unit is:
	The unit shall be capable of being used and stored without damage in extreme heat and humidity.	Rated 5-95% non condensating.

## Technical Requirements

	Hand-held device shall be lightweight (including batteries) to avoid user fatigue. It shall be possible for the average person to hold the unit easily in one hand for extended periods of time.	26.7 oz with full paper roll.
ii		
iii	The hand-held device shall be waterproof and dustproof. Vendor should note the IP rating of any device in their proposal.	IP65 MIL-STD 810G
iv	Vendor's proposal should note the communications protocol used for real-time processing. Real-time communication is critical between the handheld device, the pay-by-phone system and the pay-by-plate meter equipment.	Real-time access can be accomplished using either cellular (3G network is HSDPA, 4G network is LTE) or wifi communication.
v	Vendor's proposal should note the end-of-shift communications and charging protocols and equipment required.	Cardinal recommends using the optional cradle (single or 4 dock options) for charging the device at end of shift. The device also has an option for a car charger if needed.
b	Processor & Memory	
i	The hand-held device at a minimum shall have sufficient memory to operate at least three (3) days without downloading data to the system. Vendor's proposal should describe the processor offered.	Internal 16GB storage capability plus a micro SD slot capable of holding up to 128GB.
ii	Unit shall have the ability to be upgradeable.	Firmware is upgradable.
iii	The system processor shall function with sufficient MHz.	CPU: Quad Core 2.3GHz
c	Operating System	
i	Standard operating system such as WINDOWS, Win CE, Windows Mobile or other acceptable mobile operating system.	Cardinal is proposing a unit running Android (5.0 or later).
d	Keyboard/Screen	
i	Proposed machines will be evaluated for interface quality. While it is not possible at present to define quantitative specifications for these characteristics, they are of substantial importance to the usability of the product. In particular, the interface shall encourage efficient navigation within the citation process.	Cardinal's TickeTrak Mobile application has been designed with the enforcement officer in mind. We've reduced the number of keystrokes to a minimum and included as much information on each screen as possible to reduce the amount of time an officer spends issuing a citation.
ii	Interface shall offer tactile and/or audible feedback.	Android operating system allows for audible feedback on the keyboard.

## Technical Requirements

	The display screen shall be shock-resistant and support a backlit display. Displays should provide crisp characters that are easy to read. Display should not reflect glare from overhead lighting or other light sources. The display shall be non-fatiguing so that it can be used for an extended period of time without eye discomfort to the operator.	Display is a 5.7" diagonal, super AMOLED. 1080X1920. Contrast ratio is nominal 3.997;1 (sunlight)
e	Printer	
i	Unit shall permit the use of an integrated printer that physically is part of a one piece device.	The printer on the proposed device is integrated with the unit.
ii	The printer shall be fully compatible with the hand-held device and the parking enforcement software.	The printer on the proposed device is integrated with the unit and fully functional with the handheld software.
iii	The unit shall be capable of being stored without damage in extreme heat and humidity.	Printer is rated IP65 MIL-STD 810G
iv	The print head, connectors, and electronics shall be sealed to protect against moisture.	Complies
v	The printer shall be unaffected by humidity. Printer shall be capable of printing in the rain.	Complies
vi	The field printer shall be capable of printing an official looking form.	Complies
vii	The printer shall be capable of printing enlarged, emphasized, and condensed characters and programmable graphics including signatures.	Complies
viii	The printer shall be able to print machine-readable bar codes and other characters, such as OCR, on the ticket.	Complies
ix	The print layout shall be adjustable for changes in the ticket design.	Complies
x	The print speed shall be such that a ticket can be printed in 20 seconds or less.	Complies
xi	The information printed onto the form shall remain legible and not smear when the form becomes wet.	Complies
f	Additional equipment	

## Technical Requirements

	<p>Digital imaging: Provision of at least a five (5) megapixel or higher quality camera with flash capability that can provide up to four (4) images per citation. The preference is for real-time transmission of images. Citation data shall be transmitted to the server in real time. However, consideration will be given to images being downloaded from the handheld equipment at the end of each shift as part of a charging/data transmission scenario. All images shall be date and time stamped by the handheld without interaction by the user. Image quality as finally received by the system will be judged as part of RFP evaluation criteria.</p>	<p>Complies - Images are transmitted in real-time along with the ticket data. Priority is on the transferring of the tickets and images will transfer when bandwidth allows.</p>
i	<p>GPS: Each handheld shall have built-in GPS so user locations can be tracked, routes can be displayed over a number of hours and "stop" and/or "gap" reports can be created. If possible, the GPS system should also notify the officer if they are trying to write a ticket on an incorrect location. Example: the officer is writing a ticket on 2nd Street but enters 2nd Avenue on the ticket. The location is far enough from the GPS location of the handheld that the unit notifies the user and asks for verification.</p>	<p>Unit being proposed does include GPS capability. All tickets issued will be recorded with the GPS location data for where the unit was at the time of the ticket. Functionality for showing of routes and other features are not currently part of this proposal but are being considered for future addition to our application.</p>
2.2.2	<p>The handheld equipment used to issue parking citations shall be able to provide the following processes:</p>	
a	<p>Notifications: The handheld should be able to notify the user of various issues that can arise in the field, e.g. vehicle is boot-eligible, stolen, has expired registration, etc. These notifications should be definable by the user.</p>	<p>Complies</p>
b	<p>Reporting issues in the field: The handheld shall be able to be used for real time reporting of malfunctioning or missing parking equipment, e.g. signs or meters. Reports shall be able to be directed to specific email addresses so repair staff can be dispatched quickly to repair equipment.</p>	<p>Does not comply</p>
c	<p>Repetition of Data: The handheld software will allow certain user-defined fields to be loaded with information from the previous citation.</p>	<p>Complies</p>

## Technical Requirements

d	<p>Comments: The handheld print file shall be adaptable so the user may be able to enter up to three (3) lines of printable comments per citation. Any additional line of comments can be added but not printed on the citation. This additional line can be used as “private” comments by the issuing officer. The Comment file for the handheld should be definable by the City so specific comments can be found by typing only a few keys. Example: NPD would equal “No Permit Displayed”, SP would equal “Signs Posted”, etc. All shortcuts and long form comments would be definable by the City. Timed violations require the original time the vehicle was “chalked” and that information should show up separately on the printed ticket.</p>	<p>Complies - TickeTrak Mobile allows up to 4 comments per ticket which can be public or private as well as predefined or manual entry.</p>
e	<p>Examples:</p>	
i	<p>All violations require at least one comment in the Comment field.</p>	<p>Application does not force the enforcement officer to select any certain number of comments per ticket.</p>
ii	<p>Timed violations require the original time the vehicle was “chalked” if the original timing was not performed using the handheld device</p>	<p>Does not comply</p>
iii	<p>Permit parking violations require the user to verify the citation issuance if a valid permit is noted and that verification shall be recorded</p>	<p>Permit data is displayed for the officer to verify the information before issuing the ticket.</p>
iv	<p>Handicap parking violations require at least two images. Fire hydrant, crosswalk and double parking violations require at least one image. The handheld should require the necessary number of images for violations that require them as evidence.</p>	<p>Application does not force the enforcement officer to capture any certain number of images per ticket.</p>
f	<p>Timing:</p>	

## Technical Requirements

	<p>The handheld should allow the user to enter data relevant to the location of a specific vehicle for the purpose of timed enforcement. Example: The vehicle is parked at 167 Lancaster Street at 8:35 A.M. and the driver side front tire valve stem is located at 1:00 on an analog clock face. The handheld should allow the user to input the street and stay on that street until otherwise noted. The address for each entry shall be entered by the user. After the first use of an address, it shall be verified before it is used again so the same address is not entered multiple times unless that is noted as correct by the user. Time entry should be performed by the handheld. If the vehicle is found to have a valid permit, the handheld should notify the user immediately at that time so no further action is taken if needed. The valve stem location shall be noted by the user. The handheld shall inquire if the data is to be saved and a response required. Prior to the next entry, the handheld should use the same street and address but require verification of both street and address.</p>	<p>Complies with the exception of having the officer reverify the location between vehicle entry.</p>
<p>ii</p>	<p>If proposing a LPR system as part of the proposal, the Vendor should discuss how data used for electronic tire chalking will be communicated between the LPR systems.</p>	<p>If an LPR system is utilized, the timed parking functionality will be handled completely by the LPR system. When violators (or scofflaws) are identified, our handheld device will be used to issue the ticket.</p>
	<p>Parking Citation Processing Requirements</p>	
<p>2.3.1</p>	<p>The parking citation processing system shall include, but not be limited to, the following:</p>	
<p>a</p>	<p>All necessary interaction with the Florida Department of Highway Safety and Motor Vehicles (DMV) (vehicle registration information and registration holds), municipal court (hearings and decisions), registered owner information retrieval from nationwide (United States &amp; Canadian Bureau of Motor Vehicles interfaces) Department of Motor Vehicles and all other agencies (vehicle rental car/leasing agencies) necessary for citation processing.</p>	<p>Optional interface is available for nationwide owner inquiries for the majority of states. We don't currently have an interface for inquiring on Canadian vehicles. Interfaces to any other agencies necessary can be quoted as a custom interface.</p>

## Technical Requirements

	<p>The system will regularly generate an exception report of license plates that do not have registered owner information. This report will be sent electronically in an Excel format so the data can be manipulated by various departments to analyze why no data is found.</p>	Does not comply
b	<p>Provision of an automated customer service toll free number that can use Interactive Voice Response (IVR) technology for calls received after-hours, weekends and holidays including a dedicated extension to leave a voice mail or call back number that would be retrieved by City staff.</p>	Does not comply
c	<p>Data acquisition and mail address error correction, document storage, IVR payment processing, web payment processing, report generation and distribution, audit and control processes, quality assurance and telephone processing necessary for citation processing.</p>	
d	<p>The system shall support an online appeals process where parkers can file the necessary documents and any additional evidence, notes or photos for their appeal. The information shall be scanned for viruses and malware before being allowed to be accessed by City staff. Once scanned, the documents can be forwarded to the Office of Parking Customer Service Unit (CSU) for action. The appeals process will allow CSU staff to set denied appeals for court.</p>	Complies
e	<p>The system shall provide a method that allows scheduling and tracking for the appeals or City Court processes. CSU staff shall be able to access a listing of all open or closed appeals or hearings requests showing the current status of each request. The system shall provide processes or documents so CSU staff will be able to schedule hearings if needed. The system shall have the ability to update the pay status of any citation where a court decision is entered that would affect the status of any citation involved.</p>	Complies
	<p>Payment Processing System Requirements</p>	
2.4.1	<p>The payment processing system for parking citations and parking permits shall include, but not be limited to, the following:</p>	

## Technical Requirements

a	Payments shall be recorded and updated in real time.	Complies
b	Vendor systems shall be compliant with all current PCI-DSS requirements.	TickeTrak complies with PCI standards via its approved ecommerce providers. See attachment for a list of approved ecommerce providers.
c	Vendor shall provide all necessary equipment and/or software as agreed to by the City to support processing of payments, such as:	
i	Cash drawers as needed:	See pricing for requested hardware.
ii	Bar code scanners as needed to scan bar codes from citations issued from handheld equipment and from handwritten citations issued by HPD officers. A sample citation is included in Appendix "A".	See pricing for requested hardware.
iii	Imaging scanners to add images or received documents to the system for tracking complaints, appeals, court hearings, NSF checks, etc.	See pricing for requested hardware.
d	Reporting capabilities to provide the following:	
i	Citation payments and cash drawer reconciliation on a daily basis;	Complies
ii	Payments received by mail, phone and Internet;	Complies
iii	Partial payments received and processed:	Complies
iv	NSF payments returned and actions taken;	Complies
v	Credit chargebacks and actions taken;	Complies
vi	Bank deposits;	Complies
vii	Citations forwarded to collections;	Complies
viii	Payments directly related to booting, DMV hold or other actions	Complies
ix	Lockbox processing;	Complies
x	Reconciliation of Florida/City of Hollywood surcharges	Complies
2.4.2	The vendor shall provide examples/samples of all standard and electronic online reports in their proposal, including, but not limited to :	



## Technical Requirements

a	A full complement of monthly and annual management reports for the City. The annual report is to be reported in a fiscal year format beginning with October 1st as the start of the fiscal year;	Complies - See report samples attached.
b	Report of revenue collected for month;	Complies - See report samples attached.
c	Report of citations issued for month with violation code and fine, plus penalty amounts added to delinquent citations during the reporting month;	Complies - See report samples attached.
d	Monthly status reports on all parking violations processed; including up to date collection percentage rate;	Complies - See report samples attached.
e	Monthly payment report identifying collection results by month, to also include delinquent notices and DMV holds;	Complies - See report samples attached.
f	Monthly status report of open and closed parking violations;	Complies - See report samples attached.
g	Aged Accounts Receivable Report with status of any collection activity if applicable;	Complies - See report samples attached.
h	Any additional reports as described in Sections 2 or 3.	
i	Monthly Summary Management Report showing:	Complies - See report samples attached.
i	Monthly and year-to-date number of citations issued;	Complies - See report samples attached.
ii	Monthly and year-to-date number of payments and revenue received, including current collection rate;	Complies - See report samples attached.
iii	Comparison of citation issuance and revenues year-over-year for same month over previous two years;	Complies - See report samples attached.
iv	Number of voids/adjustments for the current month and year-to-date, summarized by void/adjustment type;	Complies - See report samples attached.
v	Number of appeals received for the current month and year-to-date;	Complies - See report samples attached.
vi	Monthly and year-to-date appeal dismissals and court decisions suspensions, summarized by decision where possible.	Complies - See report samples attached.

## Technical Requirements

j	Ad-Hoc Reporting Requirements: The system shall possess a user-friendly report writer feature to allow the City to query and generate ad hoc reports online. Vendor shall provide on-line query and ad-hoc reporting access. The online query or ad-hoc reporting tool shall directly access data in the master database to provide accurate real-time information. The proposal should explain how reports are generated, if the report data can be exported to Excel or other programs, how the City can generate specific reports based on business needs and a list of other types of reports available.	Complies - See report samples attached.
	Parking Permit Processing System Requirements	
2.5.1	The processing system for parking permits shall include, but not be limited to, the following:	
a	Issuance and payments shall be recorded and updated in real time.	Complies
b	Full integration with the ticket processing module, enabling the resolution of parking citations issued incorrectly to permit holders or the withholding of permit sales due to outstanding parking tickets	Complies
c	Financial controls for the tracking and reconciliation of fees collected	Complies
d	Ability to inquire online using a variety of search parameters	Complies
e	Ability to generate notices for use in renewal or informational mailings	Complies
f	Integration with the ticket processing system cashiering module, allowing outstanding balances for parking tickets and new permit sales to take place in one transaction	Complies
g	Configurable to match existing permit data entry flow, for easy transition	Does not comply
h	Ability to utilize assign/allocate multiple permits to a single address	Complies
i	Ability to assign multiple vehicles to a single permit (carpools, multi-vehicle families)	Complies
j	Allows permit types to be defined with flat-rate, prorated or tiered fee schedules.	Complies - Flat rate or prorated.

## Technical Requirements

k	Allows a review and approval process for pending applications for permits	Complies
	Additional Functions/Capabilities	
2.6.1	pricing for these additional functions and capabilities should only be provided in the Cost Proposal under Price List -	
a	Parking Citation Processing	
i	The City will give strong preference to an account-based system. The ability to connect multiple license plates owing for parking citations, permits and other municipal obligations is significant to the City. The vendor should explain how the system works in their program, if the account number is assignable (can a number be used from another program, i.e. MUNIS) and the process for combining multiple accounts when duplicate accounts are found in the system.	TickeTrak is an account based system allowing for the easy linking of all tickets/permits/vehicles back to the responsible person. An Account ID is automatically assigned by the system but there are several unique identifying fields such as DL#, Alternate ID, and Local ID which can be used to link to unique ID's from other systems. If duplicate accounts are created, TickeTrak comes with utilities to merge the data from these multiple accounts into a single account.
b	Handheld System Requirements	
i	Notifications: Preference shall be given to any vendor that can provide some assignable notifications go directly to the supervisor without notification to the user. Example: Vehicle is stolen, previous complaint by owner, permit abuser, etc.	Does not comply
ii	One-button audio recording: It is preferred the handheld unit has a recording feature accessed by pressing a single button.	Does not comply
iii	Hot-swap batteries: The preferred handheld (and printer, if provided separately) shall have hot-swap batteries so units that have data needed over multiple shifts, i.e. timed parking information, can be used by the following shift without the loss of data crucial to enforcement. If hot-swap batteries are unavailable, the vendor shall describe any process used to lengthen the hours of use of any particular handheld device.	Complies
iv	Timing: It is preferred all data used for electronic tire chalking be communicated to all powered devices in the field so the data is usable by all enforcement staff over multiple shifts.	Complies
v	Digital imaging: The preference is for real-time transmission of images. Image quality as finally received by the system will be judged as part of RFP evaluation criteria.	Complies - Real-time transfer of images.

## Technical Requirements

d	Immobilization Parking	
	The preferred system will allow an officer to enter information in the field via a handheld device to record when a vehicle is released or, if it is towed, to what vendor and the incident or record number for the tow so other departments can access the information if needed.	Does not comply
e	Parking Citation Processing	
	The preferred system shall provide a system that facilitates scheduling, tracking and support for the appeals or court processes. CSU staff shall be able to access a listing of all open or closed appeals or hearings requests showing the current status of each request. The system shall have a court calendar so CSU staff will be able to schedule hearings for court. The system shall have the ability to prepare dockets for court.	Not available on the handheld.
<b>SECTION 10: LPR CAMERA REQUIREMENTS</b>		
Cameras shall be self-illuminating infrared (IR) for effective license plate image capture in a variety of weather & lighting conditions.		
10.1	The infrared light emitting diodes (LEDs) shall be “pulsed” to enhance license plate capture and extend the lifetime of the LED board.	Complete Compliance. The IR illuminator used for maximum reading performance in Florida is 740 nm.
10.2	The cameras shall have a dual lens configuration in a single camera housing with both an infrared lens for license plate capture and a color overview image of the vehicle for verification purposes. This camera housing also contains onboard IR illumination, and is sealed to NEMA 6 (IP67) standards.	Complete Compliance
10.3	The infrared component of the cameras shall be available in various IR wavelengths in order to provide effective license plate capture in different regions of the country in order to address the specific license plate properties found in various regions of the country.	Complete Compliance
10.4	The dual lens camera shall be capable of capturing up to 60 frames per second.	Not Compliant: Cameras operate at 30 frames per second.

## Technical Requirements

10.5	The cameras shall be capable of producing multiple license plate images with varying flash, shutter, and gain settings to ensure a high quality image regardless of weather or lighting conditions.	Complete Compliance
10.6	All camera-mounting bracket systems shall be fabricated specifically for the vendor's cameras and are furnished by the vendor. Vendors should consider these cameras are currently set to be mounted on a Toyota Prius.	Complete Compliance
10.7	The cameras shall have a fixed focal point or target distance from the camera to the vehicle's license plate from 9 ½ feet to 30 feet.	Complete Compliance
10.8	The system shall be capable of various configurations to capture plates in any of the following modes depending on the configuration:	See 10.9 and 10.10
10.9	An adjacent lane on either side of the vehicle while driving through traffic and/or parking lots.	Complete Compliance
10.1	Any parking application from parallel to perpendicular parked car orientation with respect to the movement of the enforcement vehicle.	Complete Compliance
<b>SECTION 11: LPR PROCESSOR REQUIREMENTS</b>		
11.1	The LPR processor shall have a "self-trigger" mode to detect the presence of correctly mounted vehicle license plates in the camera's field of view for image capture from the camera.	Complete Compliance
11.2	The LPR processor shall be designed to be trunk-mounted and incorporate an intelligent power supply unit that provides for a safe start and shut-down each time the vehicle's ignition is turned on or turned off.	Complete Compliance
11.3	The LPR processor shall control the power supplied to the cameras and provides video connection points for simplified system wiring.	Complete Compliance

## Technical Requirements

11.4	The LPR processor shall utilize, at least, an automotive 30 GB extreme environment Hard Disk Drive.	Partial Compliance: The processing unit has an on board hard drive for the License Plate recognition engine; however all reads and images are stored on the Laptop in the vehicle running our software. These laptops can have many difference hard drive sizes, all of which are over 30GB. Additionally, processing unit components are all hardened for use in a vehicle and certified for vibration resistance, shock resistance, temperature resistance, water resistance, and electromagnetic immunity.
11.5	The LPR processor shall utilize an embedded processor running Windows 7 or higher operating system (OS).	Complete Compliance
11.6	The LPR processor shall have at least four (4) LPR camera connections and multiple USB ports.	Partial Compliance: LPR Processor has one USB port and can support up to four LPR camera connections.
11.8	The LPR processor shall be designed to meet the environmental conditions associated with a trunk-mounted unit.	Complete Compliance
<b>SECTION 12: IN-VEHICLE LPR SOFTWARE REQUIREMENTS:</b>		
12.1	The application software shall be capable of running on a touchscreen tablet (Panasonic Toughpad or similar).	Complete Compliance
12.2	The tablet shall be capable of being undocked for use outside the vehicle.	Complete Compliance
12.3	The software shall be designed for touchscreen usage.	Complete Compliance
12.4	There shall be secure login and password functions on the LPR software. These shall be controlled by the back office system such that the creation, deactivation, and password protocols are back office functions.	Complete Compliance
12.5	There shall be a single button to turn on/off whichever camera configuration the enforcement officer is applying at the time.	Complete Compliance
12.6	There shall be a volume control button on the main screen to control the audible sounds from the system, and a mute button on the application screen.	Complete Compliance
12.7	The system shall provide live, simultaneous display of all of the following data:	See a to f
12.7.a	The IR license plate image	Complete Compliance

## Technical Requirements

12.7.b	The license plate interpretation or system read	Complete Compliance
12.7.c	A corresponding color overview of the vehicle displaying the captured IR license plate	Complete Compliance
12.7.d	The date & time stamp	Complete Compliance
12.7.e	Identification of the camera capturing the image	Complete Compliance
12.7.f	Parking related vehicle information (permits, notifications, etc.)	Complete Compliance
12.8	The system shall capture GPS coordinates for every license plate.	Complete Compliance
12.9	The system shall have the ability to GPS stamp all the reads.	Complete Compliance
12.1	The mobile software component shall allow the enforcement officer to select which area they are working in and notify them when the selected zone does not match the current GPS location of the vehicle.	Partial Compliance: The system does not notify enforcement officers when they select a zone that does not match their GPS location. An auto-selection feature can instead be turned on to automatically manage which zone is enforced according to the current GPS location of the vehicle. An audio cue is given each time an enforcement zone is entered or exited.
12.13	The mobile software system shall dynamically sort the parking zone list based on the zones closest to the vehicle's current GPS location.	Complete Compliance.
12.14	The mobile software component shall allow the enforcement officer to select which enforcement they want to enforce for multiple parking permission types, and activate/deactivate all plate based enforcement. Examples: Pay-by-plate by multi-space meter, pay-by-plate by phone, permits, scofflaw, etc.	Complete Compliance
12.15	The LPR system shall simultaneously enforce the following applications:	See g to l
12.15.g	Timing enforcement	Complete Compliance
12.15.h	Permit enforcement	Complete Compliance
12.15.i	Pay-by-plate by multi-space meter	Complete Compliance
12.15.j	Pay-by-plate by phone	Complete Compliance
12.15.k	Scofflaw (boot/tow - unpaid tickets)	Complete Compliance
12.15.l	Multiple Hotlists	Complete Compliance

## Technical Requirements

12.16	The mobile software component shall allow the enforcement officer to select the timing period that is being enforced from a drop down list (30 minutes, 1 hour, etc.).	Complete Compliance
12.17	The mobile software shall exchange vehicle timing records with other LPR vehicle systems in real time. Vendors shall note if the same information can be provided to enforcement handhelds.	Not Compliant. Vehicles do not exchange data with each other in real time. Genetec does not provide enforcement handhelds. Integration with third party handhelds is possible. Features of third party handhelds are to be discussed with the third party.
12.18	The main screen on the system shall have integrated ticketing so, when an enforcement officer has an LPR "hit", they can simply press one button to complete enforcement activities (citation generation, booting, towing, permit issuance) within the same LPR application. The citation should be saved to the parking enforcement database and then be printed for the officer to leave on the vehicle.	Partial Compliance: Enforcement can be initiated with the press of a button on the software, however Genetec software on its own does not handle the citation activities themselves. Integration with some third party ticketing / enforcement providers is available.
12.19	The mobile software component shall allow the enforcement officer to manually enter plates that are unreadable.	Complete Compliance
12.2	The mobile software component shall give a unique audible and visible alert when an illegally parked vehicle is discovered.	Complete Compliance
12.21	The Alert Screen shall remain displayed until acknowledged by the enforcement officer, and, while displayed, the system shall continue to process license plate data in the background. All captured data is stored in the system during this interval.	Complete Compliance
12.22	The system shall provide the enforcement officer with the capability to manually enter a license plate for the purpose of searching that license plate against the system's database(s).	Complete Compliance



## Technical Requirements

12.23	Software shall be able to enforce shared permits across multiple mobile LPR vehicles and enforcement handhelds, meaning that one permit could be associated to several vehicles but only one vehicle can use the unique permit at a time. System notifies the enforcement officer in real-time when more than one vehicle on a shared permit is in enforcement during the same timeframe. When identified, the officer has the ability to issue citations to either or both vehicles.	Partial Compliance: Shared Permits are supported however both vehicles registered to a shared permit must be read by the same vehicle system for enforcement to be initiated. Additionally Genetec does not provide enforcement handhelds. Integration with third party handhelds is possible. Features of third party handhelds are to be discussed with the third party.
12.24	System shall support both visible and silent vehicle notifications. Visible notifications will be displayed to the enforcement officer in the vehicle, while silent notifications will not be displayed to officer but will be sent by email to the user who created the alert.	Complete Compliance
12.25	The system shall provide a feature to enable or disable "fuzzy-logic" plate matching in each LPR vehicle to enable the system to match common number character issues (such as 0/O and 8/B) or unknown characters. This feature shall be enabled or disabled at the user's discretion. Fuzzy logic verifies multiple permutations of one plate to increase the read rate.	Complete Compliance
12.26	Software shall support the ability to add non-LPR camera-generated photos for issued citations, either during or after the citation issuance process.	Not Compliant: Genetec software on its own does not handle the citation activities, it can only initiate them. Integration with a third party parking management provider is required for these features. Details of features are to be discussed with that provider.
12.27	Software shall provide an image-based license plate verification step before citation issuance. This is designed to ensure that all plate reads are reviewed by an enforcement officer before a citation is issued.	Complete Compliance
12.28	The back office system shall provide for the ability to review citations either before or after the citation has been issued. Citations are able to be flagged for review and either corrected or voided upon review.	Not Compliant: Genetec software on its own does not handle the citation activities, it can only initiate them. Integration with a third party parking management provider is required for these features. Details of features are to be discussed with that provider.

## Technical Requirements

12.29	LPR data from mobile LPR cameras shall be able to be searched and referenced from within the same back office software used for citations and permit management.	Not Compliant: Genetec software on its own does not handle the citation activities, it can only initiate them. Integration with a third party parking management provider is required for these features. Details of features are to be discussed with that provider. Note however that LPR data captured from Genetec software can be exported to the parking management provider for use in their system.
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**PROPOSED IMPLEMENTATION PLAN**

Task Name	Duration	Notes
Hollywood Project		
Project Kickoff Meeting	1 Day	
IT Kickoff meeting	1 Day	
Contact all integrated Vendors to begin designing project	10 Days	Contingent on vendor responses
On-site needs analysis	3 Days	
Data Conversion	90 Days	Contingent on data architecture availability
LPR Implementation / Installation	60 Days	
Meters Integration	30 Days	
Florida DMV	30 Days	
Park Mobile Integration	20 Days	
Create Sandbox Server	5 Days	
Install TickeTrak "Online Modules"	5 Days	
Install TickeTrak Mobile on Handheld Devices	5 Days	
Integration Testing	30 Days	
On-site Training	5 Days	
Install Live Server	5 Days	
Acceptance Testing	30 Days	

Cardinal Tracking project scheduling requires a 30-day window from award to initial kickoff date.

## **SUMMARY OF PROPOSER'S FEE STATEMENT**

The following pages detail the pricing information requested from the City of Hollywood with purchase pricing, a five (5) year lease, and an annual subscription.

Any additional services would be billed on an annual basis with Net30 terms.

## Pricing: Purchase

Pricing		Cardinal Option 1: Up Front Purchase + Annual Maintenance Beginning Year 2						
Number	Product Description	Available (yes or no)	Qty	total Initial Purchase	Lease cost per year	Lease cost per month	Additional monthly costs	Additional yearly costs
<b>Citation &amp; Permit Management</b>								
1	Licensing Fee - require 10 users	YES (Complete System with 10 users)	1	\$31,045.00				
2	Hosted Solution Fee	YES (Annual Hosting Fee)	1	\$12,000.00				\$12,000.00
3	Electronic Cash Drawer- require 2 drawers (City currently has 2 drawers)	YES	2	\$270.00				
4	Receipt Printer - require 2 printers	YES	2	\$850.00				
5	Other Hardware or Software Components	YES (Receipt Rolls - Case of 100)		\$209.00				
<b>E-Commerce Business Solution</b>								
6	Citation Management Component	YES	1	\$5,995.00				
7	Permit Management Component	YES	1	\$4,995.00				
8	Citation Appeal Management Component	YES	1	\$4,995.00				
9	Web Hosting fees for citation payments, permit sales, etc.	N/A (Included in Standard Hosting)	N/A	\$0.00				
10	Transaction fee for web processing (note if fee is per citation paid or per transaction made)	N/A (No pricing per citation)	N/A	\$0.00				
11	Online Ecommerce Vendor Integration	YES	1	\$1,500.00				
<b>Handheld Hardware &amp; Software</b>								
12	Handheld Devices - require 13 units (12 users, 1 spare)	Yes (N5 Scan with Integrated Printer, Cellular, GPS, Wifi, BlueTooth, Camera)	13	34906.95				
13	Printers for handheld devices (if separate)	N/A (Single piece unit proposed)	N/A	\$0.00				
14	Enforcement software subscription for the handhelds	YES (License Fee)	13	\$13,000.00				
15	Wireless Communication Fee	YES (Carrier fees not included)	13	\$0.00				
16	Charging Stations(s)	YES (Included with cradles below)	13	\$0.00				
17	Data Interface Cradle(s)	YES (3 four-slot cradles and 1 single slot cradle. All include spare battery charger)	13	3324.35				
18	Data Storage Devices	YES (8gb Micro SD)	13	\$78.00				
19	Replacement Batteries	YES	13	1524.9				
20	Ticket/Envelope Stock	YES (100 tickets per roll, price is per roll, 550 rolls), 80 cases of envelopes - 500 per box	550/80	\$7,024.00				
21	Other Hardware Components	YES, Carry Case, Shoulder Strap	13	1314.95				
<b>Integrations/Interface Services</b>								
22	w/ Pay by phone System	YES (One time fee of \$200 per handheld)	13	\$2,600.00				
23	w/ Pay by Plate Multi-Space Meter System	YES (One time fee of \$200 per handheld)	13	\$2,600.00				
24	w/ Single Space, Credit Card Enabled Meter System	YES (One time fee of \$200 per handheld)	13	\$2,600.00				
25	w/ DMVs for search and uploading of customer addresses for outstanding citations	YES (Florida DMV with inquiry, holds, and clears. Nationwide DMV lookup at no initial charge, but cost per return)	1	\$5,995.00				
26	w/ Collection Agencies for export of outstanding citations and import of paid citations to collection agency to parking management database	Yes (One time license fee)	1	\$5,995.00				
<b>Future Integrations/Interface Services</b>								
27	w/ Enterprise Resource Planning (ERP) Systems	YES (Standard Integration is \$9,995.00 but will be based on project complexity and functional requirements)	1	\$9,995.00				
28	w/Single Sign-on Integrations	YES (Included with main application-OAUTH, Active Directory, CAS)	1	\$0.00				
<b>Optional - LPR System &amp; Integration</b>								

## Pricing: Purchase

Cardinal Option 1: Up Front Purchase + Annual Maintenance Beginning Year 2								
Pricing Number	Product Description	Available (yes or no)	Qty	total Initial Purchase	Lease cost per year	Lease cost per month	Additional monthly costs	Additional yearly costs
29	Licensing Fee - require 2 users	Yes, Genetec Patroller Annual License inc. Pay By Plate	2	\$1,000.50				\$1,000.50
30	Hosting Fee	Yes, Annual Managed Services/Hosting	2	\$4,140.00				\$4,140.00
31	Laptops	No (Not Provided in this quote)		\$0.00				
32	Cameras	Yes, Genetec AutoVu SharpX	2	\$56,062.50				
33	Printers			\$0.00				
34	Integration with the City's Parking Citation & Permit Database System	Yes, Permit Zone Integration	1	\$1,150.00				
35	On-site Installation and Training	Yes, Two Days Onsite	2	\$8,050.00				
36	Other Equipment/Components	Yes, Genetec Mapping License	1	\$862.50				
	Other Equipment/Components	Yes, NA Map Offline	1	\$862.50				
37	<b>Professional Services</b>							
38	Training (specify type/location of training)	YES (4 days onsite training)	4	\$4,000.00				
39	Travel	YES (not to exceed \$400 per day)	5	\$2,000.00				
40	Support	YES (1st year included with purchase, subsequent years at 18% of software purchase price)	1	\$0.00				\$16,436.70
41	Data Conversion	YES (Assumes data available in standard format (SQL database, .csv, text file))	1	\$20,000.00				
42	Installation	YES (1 day onsite installation)	1	\$1,000.00				
43	<b>Other Costs</b>							
44	Warranty Fees	YES (5 year comprehensive hardware warranty)	13	\$16,640.00				
45	Fees for additional data storage if needed	YES (\$55 per month per add. 100gb)		\$0.00				
46	Other Fees (Describe in detail)	YES (Project Management)	1	\$10,000.00				
47	Other Fees (Describe in detail)							
48	Other Fees (Describe in detail)							
49	<b>TOTAL COSTS</b>							
<b>OPTIONAL Per Unit Pricing</b>								
<b>(Note: Please list if cost is per citation, permit, transaction, etc.)</b>								
50	Cost per _____							
51	Other Fees (Describe in detail)							
52	Other Fees (Describe in detail)							
53	Other Fees (Describe in detail)							
54	Other Fees (Describe in detail)							
55	<b>TOTAL COSTS</b>							
	<b>TOTAL 5 YEAR COST</b>							
				\$278,585.15				\$33,577.20
				<b>\$412,893.95</b>				

Pricing: 5 Year Lease

Pricing	Cardinal Option 2: 5 Year Lease (Initial down payment + 4 Years Financing)							
Number	Product Description	Available (yes or no)	Qty	Initial Down Payment (20%)	Lease Cost per year (4 years, Starting Year 2)	Lease cost per month	Additional monthly costs	Additional yearly costs
<b>Citation &amp; Permit Management</b>								
1	Licensing Fee - require 10 users	YES (Complete System with 10 users)	1	\$6,209.00				
2	Hosted Solution Fee	YES (Annual Hosting Fee)	1	\$12,000.00				
3	Electronic Cash Drawer- require 2 drawers (City currently has 2 drawers)	YES	2	\$54.00				
4	Receipt Printer - require 2 printers	YES	2	\$170.00				
5	Other Hardware or Software Components	YES (Receipt Rolls - Case of 100)		\$41.80				
<b>E-Commerce Business Solution</b>								
6	Citation Management Component	YES	1	\$1,199.00				
7	Permit Management Component	YES	1	\$999.00				
8	Citation Appeal Management Component	YES	1	\$999.00				
9	Web Hosting fees for citation payments, permit sales, etc.	N/A (Included in Standard Hosting)	N/A	\$0.00				
10	Transaction fee for web processing (note if fee is per citation paid or per transaction made)	N/A (No pricing per citation)	N/A	\$0.00				
11	Online Ecommerce Vendor Integration	YES	1	\$300.00				
<b>Handheld Hardware &amp; Software</b>								
12	Handheld Devices - require 13 units (12 users, 1 spare)	Yes (N5 Scan with Integrated Printer, Cellular, GPS, Wifi, BlueTooth, Camera)	13	6981.39				
13	Printers for handheld devices (if separate)	N/A (Single piece unit proposed)	N/A					
14	Enforcement software subscription for the handhelds	YES (License Fee)	13	2600				
15	Wireless Communication Fee	YES (Carrier fees not included)	13					
16	Charging Stations(s)	YES (Included with cradles below)	13					
17	Data Interface Cradle(s)	YES (3 four-slot cradles and 1 single slot cradle. All include spare battery charger)	13	664.87				
18	Data Storage Devices	YES (&gb Micro SD)	13	15.6				
19	Replacement Batteries	YES	13	304.98				
20	Ticket/Envelope Stock	YES (100 tickets per roll, price is per roll,550 rolls), 80 cases of envelopes - 500 per box	550/80	1404.8				
21	Other Hardware Components	YES, Carry Case, ShoulderStrap	13	262.99				
<b>Integrations/Interface Services</b>								
22	w/ Pay by phone System	YES (One time fee of \$200 per handheld)	13	\$520.00				
23	w/ Pay by Plate Multi-Space Meter System	YES (One time fee of \$200 per handheld)	13	\$520.00				
24	w/ Single Space, Credit Card Enabled Meter System	YES (One time fee of \$200 per handheld)	13	\$520.00				
25	w/ DMVs for search and uploading of customer addresses for outstanding citations	YES (Florida DMV with inquiry, holds, and clears. Nationwide DMV lookup at no initial charge, but cost per return)	1	\$1,199.00				
26	w/ Collection Agencies for export of outstanding citations and import of paid citations to collection agency to parking management database	Yes (One time license fee)	1	\$1,199.00				
<b>Future Integrations/Interface Services</b>								
27	w/ Enterprise Resource Planning (ERP) Systems	YES (Standard Integration is \$9,995.00 but will be based on project complexity and functional requirements)	1	\$1,999.00				
28	w/Single Sign-on Integrations	YES (Included with main application-OAUTH, Active Directory, CAS)	1	\$0.00				
<b>Optional - LPR System &amp; Integration</b>								
29	Licensing Fee - require 2 users	Yes, Genetec Patroller Annual License inc. Pay By Plate	2	\$1,000.50				
30	Hosting Fee	Yes, Annual Managed Services/Hosting	2	\$4,140.00				
31	Laptops	No (Not Provided in this quote)		\$0.00				

## Pricing: 5 Year Lease

Cardinal Option 2: 5 Year Lease (Initial down payment + 4 Years Financing)								
Number	Product Description	Available (yes or no)	Qty	Initial Down Payment (20%)	Lease Cost per year (4 years, Starting Year 2)	Lease cost per month	Additional monthly costs	Additional yearly costs
32	Cameras	Yes, Genetec AutoVu SharpX	2	\$11,212.50				
33	Printers			\$0.00				
34	Integration with the City's Parking Citation & Permit Database System	Yes, Permit Zone Integration	1	\$230.00				
35	On-site Installation and Training	Yes, Two Days Onsite	2	\$1,610.00				
36	Other Equipment/Components	Yes, Genetec Mapping License	1	\$172.50				
	Other Equipment/Components	Yes, NA Map Offline	1	\$172.50				
37	<b>Professional Services</b>			\$0.00				
38	Training (specify type/location of training)	YES (4 days onsite training)	4	\$800.00				
39	Travel	YES (not to exceed \$400 per day)	5	\$400.00				
40	Support	YES (1st year included with purchase, subsequent years at 18% of software purchase price)	1	\$13,149.36				
41	Data Conversion	YES (Assumes data available in standard format (SQL database, .csv, text file)	1	\$4,000.00				
42	Installation	YES (1 day onsite installation)	1	\$200.00				
43	<b>Other Costs</b>			\$0.00				
44	Warranty Fees	YES (5 year comprehensive hardware warranty)	13	\$3,328.00				
45	Fees for additional data storage if needed	YES (\$55 per month per add. 100gb)		\$0.00				
46	Other Fees (Describe in detail)	YES (Project Management)	1	\$2,000.00				
47	Other Fees (Describe in detail)							
48	Other Fees (Describe in detail)							
49	<b>TOTAL COSTS</b>							
<b>OPTIONAL Per Unit Pricing</b>								
<b>(Note: Please list if cost is per citation, permit, transaction, etc.)</b>								
50	Cost per _____							
51	Other Fees (Describe in detail)							
52	Other Fees (Describe in detail)							
53	Other Fees (Describe in detail)							
54	Other Fees (Describe in detail)							
55	<b>TOTAL COSTS</b>	Total		<b>\$82,573.16</b>	<b>\$89,922.55</b>			
	<b>TOTAL 5 YEAR COST</b>				<b>\$442,263.36</b>			



## Pricing: Annual Subscription

Pricing	Cardinal Option 3: Annual Subscription with 3 year commitment- AutoRenewing annually							
Number	Product Description	Available (yes or no)	Qty	Annual Subscription Cost	Lease cost per year	Lease cost per month	Additional monthly costs	Additional yearly costs
<b>Citation &amp; Permit Management</b>								
1	Licensing Fee - require 10 users	YES (Complete System with 10 users)	1	\$6,271.09				
2	Hosted Solution Fee	YES (Annual Hosting Fee)	1	\$12,120.00				
3	Electronic Cash Drawer- require 2 drawers (City currently has 2 drawers)	YES	2	\$54.54				
4	Receipt Printer - require 2 printers	YES	2	\$171.70				
5	Other Hardware or Software Components	YES (Receipt Rolls - Case of 100)		\$42.22				
<b>E-Commerce Business Solution</b>								
6	Citation Management Component	YES	1	\$1,210.99				
7	Permit Management Component	YES	1	\$1,008.99				
8	Citation Appeal Management Component	YES	1	\$1,008.99				
9	Web Hosting fees for citation payments, permit sales, etc.	N/A (Included in Standard Hosting)	N/A	\$0.00				
10	Transaction fee for web processing (note if fee is per citation paid or per transaction made)	N/A (No pricing per citation)	N/A	\$0.00				
11	Online Ecommerce Vendor Integration	YES	1	\$303.00				
<b>Handheld Hardware &amp; Software</b>								
12	Handheld Devices - require 13 units (12 users, 1 spare)	Yes (N5 Scan with Integrated Printer, Cellular, GPS, Wifi, BlueTooth, Camera)	13	\$8,295.53				
13	Printers for handheld devices (if separate)	N/A (Single piece unit proposed)	N/A	\$0.00				
14	Enforcement software subscription for the handhelds	YES (License Fee)	13	\$2,626.00				
15	Wireless Communication Fee	YES (Carrier fees not included)	13	\$0.00				
16	Charging Stations(s)	YES (Included with cradles below)	13	\$0.00				
17	Data Interface Cradle(s)	YES (3 four-slot cradles and 1 single slot cradle. All include spare battery charger)	13	\$790.02				
18	Data Storage Devices	YES (8gb Micro SD)	13	\$15.76				
19	Replacement Batteries	YES	13	\$362.39				
20	Ticket/Envelope Stock	YES (100 tickets per roll, price is per roll,550 rolls), 80 cases of envelopes - 500 per box	550/80	\$1,418.85				
21	Other Hardware Components	YES, Carry Case, ShoulderStrap	13	\$312.49				
<b>Integrations/Interface Services</b>								
22	w/ Pay by phone System	YES (One time fee of \$200 per handheld)	13	\$525.20				
23	w/ Pay by Plate Multi-Space Meter System	YES (One time fee of \$200 per handheld)	13	\$525.20				
24	w/ Single Space, Credit Card Enabled Meter System	YES (One time fee of \$200 per handheld)	13	\$525.20				
25	w/ DMVs for search and uploading of customer addresses for outstanding citations	YES (Florida DMV with inquiry, holds, and clears. Nationwide DMV lookup at no initial charge, but cost per return)	1	\$1,210.99				
26	w/ Collection Agencies for export of outstanding citations and import of paid citations to collection agency to parking management database	Yes (One time license fee)	1	\$1,210.99				
<b>Future Integrations/Interface Services</b>								
27	w/ Enterprise Resource Planning (ERP) Systems	YES (Standard Integration is \$9,995.00 but will be based on project complexity and functional requirements)	1	\$2,018.99				
28	w/Single Sign-on Integrations	YES (Included with main application-OAUTH, Active Directory, CAS)	1	\$0.00				
<b>Optional - LPR System &amp; Integration</b>								
29	Licensing Fee - require 2 users	Yes, Genetec Pattroller Annual License inc. Pay By Plate	2	\$1,010.51				
30	Hosting Fee	Yes, Annual Managed Services/Hosting	2	\$4,181.40				

## Pricing: Annual Subscription

Cardinal Option 3: Annual Subscription with 3 year commitment- AutoRenewing annually								
Pricing	Product Description	Available (yes or no)	Qty	Annual Subscription Cost	Lease cost per year	Lease cost per month	Additional monthly costs	Additional yearly costs
31	Laptops	No (Not Provided in this quote)		\$0.00				
32	Cameras	Yes, Genetec AutoVu SharpX	2	\$11,324.63				
33	Printers			\$0.00				
34	Integration with the City's Parking Citation & Permit Database System	Yes, Permit Zone Integration	1	\$232.30				
35	On-site Installation and Training	Yes, Two Days Onsite	2	\$1,626.10				
36	Other Equipment/Components	Yes, Genetec Mapping License	1	\$174.23				
	Other Equipment/Components	Yes, NA Map Offline	1	\$174.23				
37	<b>Professional Services</b>			\$0.00				
38	Training (specify type/location of training)	YES (4 days onsite training)	4	\$808.00				
39	Travel	YES (not to exceed \$400 per day)	5	\$404.00				
40	Support	YES (1st year included with purchase, subsequent years at 18% of software purchase price)	1	\$13,280.85				
41	Data Conversion	YES (Assumes data available in standard format (SQL database, .csv, text file)	1	\$4,040.00				
42	Installation	YES (1 day onsite installation)	1	\$202.00				
43	<b>Other Costs</b>			\$0.00				
44	Warranty Fees	YES (5 year comprehensive hardware warranty)	13	\$3,361.28				
45	Fees for additional data storage if needed	YES (\$55 per month per add. 100gb)		\$0.00				
46	Other Fees (Describe in detail)	YES (Project Management)	1	\$2,020.00				
47	Other Fees (Describe in detail)			\$0.00				
48	Other Fees (Describe in detail)			\$0.00				
49	<b>TOTAL COSTS</b>			\$0.00				
<b>OPTIONAL Per Unit Pricing</b>				\$0.00				
<b>(Note: Please list if cost is per citation, permit, transaction, etc.)</b>				\$0.00				
50	Cost per _____			\$0.00				
51	Other Fees (Describe in detail)			\$0.00				
52	Other Fees (Describe in detail)			\$0.00				
53	Other Fees (Describe in detail)			\$0.00				
54	Other Fees (Describe in detail)			\$0.00				
55	<b>TOTAL COSTS</b>			\$83,398.89				\$0.00
<b>TOTAL 5 YEAR COST</b>				\$416,994.45				

# Estimate

10/04/2016

## Cardinal Tracking, Inc.

Cardinal Tracking, Inc.  
 1825 Lakeway Dr Suite 100  
 Lewisville, TX 75057-6046  
 Phone: 972-539-9650  
 Fax: 972-539-8914  
 Email: accounting@cardinaltracking.com

58066



### Bill To:

CITY OF HOLLYWOOD PARK  
 2600 HOLLYWOOD BLVD  
 RM 221  
 HOLLYWOOD, FL 33020  
 Phone: 9549213345`

### Ship To:

CITY OF HOLLYWOOD PARK  
 2600 HOLLYWOOD BLVD  
 RM 221  
 HOLLYWOOD, FL 33020

Contact: HOLLYWOOD, CITY OF

Customer: HOLLYWOOD, CITY OF

Seller	Payment Terms	FOB Point	Carrier	Ship Service	Requested Ship Date
PT	NET 30	Origin	UPS Ground	Ground	09/29/2016

Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
1	Kit	T509 - TickeTrak Complete System Tier 3 Includes: Base system with one user license plus: Owners, Finance, Export, Appeals, Permits, Holds/Billing, Reserve Lot, One Free Users Conference Registration	\$ 26,590.00	1 ea	\$ 26,590.00
2	Sale	T321 - TickeTrak Complete System SQL Includes: Defaults, Personnel, Ticket, Scofflaw, Communications, Reports Tier 3	\$ 0.00	1 ea	\$ 0.00
3	Sale	T925 - TickeTrak FlyWriter Adhoc Report Writer	\$ 0.00	1 ea	\$ 0.00
4	Sale	T334 - TickeTrak Concurrent Multi User License Tier 3	\$ 0.00	1 ea	\$ 0.00
5	Sale	TT120 - For A Total of Concurrent Multi User Licenses	\$ 0.00	1 ea	\$ 0.00
6	Sale	TT150 - TickeTrak Users Conference First Year - One (1) Free Registration	\$ 0.00	1 ea	\$ 0.00
7	Sale	TT121 - **Additional Modules Included**	\$ 0.00	1 ea	\$ 0.00
8	Sale	T327 - TickeTrak Owner Management Module Tier 3	\$ 0.00	1 ea	\$ 0.00
9	Sale	T414 - TickeTrak Finance Management Module Tier 3	\$ 0.00	1 ea	\$ 0.00
10	Sale	T330 - TickeTrak Export Module Tier 3	\$ 0.00	1 ea	\$ 0.00

# Estimate

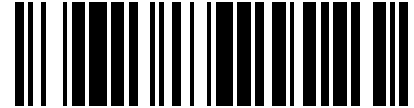
10/04/2016

## Cardinal Tracking, Inc.

Cardinal Tracking, Inc.  
 1825 Lakeway Dr Suite 100  
 Lewisville, TX 75057-6046  
 Phone: 972-539-9650  
 Fax: 972-539-8914

Email: [accounting@cardinaltracking.com](mailto:accounting@cardinaltracking.com)

58066



Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
11	Sale	T331 - TickeTrak Appeal/Court Management Module Tier 3	\$ 0.00	1 ea	\$ 0.00
12	Sale	T328 - TickeTrak Permit Management Module Tier 3	\$ 0.00	1 ea	\$ 0.00
13	Sale	T332 - TickeTrak Holds/Billing Module Tier 3	\$ 0.00	1 ea	\$ 0.00
14	Sale	T333 - TickeTrak Reserve Lot Module Tier 3	\$ 0.00	1 ea	\$ 0.00
15	Sale	T334 - TickeTrak Concurrent Multi User License Tier 3	\$ 495.00	9 ea	\$ 4,455.00
16	Sale	WEB101 - Web Hosting: \$1,000 per month - Annual Fee	\$ 12,000.00	1 ea	\$ 12,000.00
17	Sale	TA30 - TickeTrak On-Line Ticket Appeals Interface Tier 3	\$ 4,995.00	1 ea	\$ 4,995.00
18	Sale	TA39 - TickeTrak On-Line Permit Sales Integration Tier 3	\$ 5,995.00	1 ea	\$ 5,995.00
19	Sale	TA28 - TickeTrak On-Line Ticket Payment Integration Tier 2	\$ 4,995.00	1 ea	\$ 4,995.00
20	Sale	TA05 - Online Payment E-Commerce Integration	\$ 1,500.00	1 ea	\$ 1,500.00
21	Sale	220011 - TickeTrak Custom Programming Per Specifications "One-Time" Florida DMV Interface to include Owner Inquiry, Hold, and Release.	\$ 5,995.00	1 ea	\$ 5,995.00
22	Sale	220011 - TickeTrak Custom Programming Per Specifications "One-Time" Collections Import and Export Interface	\$ 5,995.00	1 ea	\$ 5,995.00
23	Sale	TA16C - TickeTrak ParkMobile Intergration	\$ 200.00	13 ea	\$ 2,600.00
24	Sale	TA200 - TickeTrak Multi-Space Meter Integration	\$ 200.00	13 ea	\$ 2,600.00
25	Sale	TA201 - TickeTrak Single Space Meter Integration	\$ 200.00	13 ea	\$ 2,600.00
26	Sale	220011 - TickeTrak Custom Programming Per Specifications "One-Time" Standard ERP Integration. Price may vary based on functional requirements.	\$ 9,995.00	1 ea	\$ 9,995.00
27	Sale	TT123 - TickeTrak Conversion Assistance Data conversion from SQL or ASCII/Text file	\$ 20,000.00	1 ea	\$ 20,000.00
28	Sale	Project Management - Project Management	\$ 10,000.00	1 ea	\$ 10,000.00

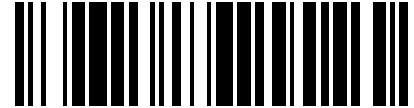
# Estimate

10/04/2016

## Cardinal Tracking, Inc.

Cardinal Tracking, Inc.  
 1825 Lakeway Dr Suite 100  
 Lewisville, TX 75057-6046  
 Phone: 972-539-9650  
 Fax: 972-539-8914  
 Email: accounting@cardinaltracking.com

58066



Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
29	Kit	TA17 - TickeTrak Mobile Software-Bundled w/Handheld and TT Scan	\$ 1,000.00	13 ea	\$ 13,000.00
30	Sale	TA14 - TickeTrak Mobile Software Bundled w/Handheld	\$ 0.00	13 ea	\$ 0.00
31	Sale	TA100 - TTScan	\$ 0.00	13 ea	\$ 0.00
32	Subtotal	Subtotal			\$ 133,315.00
33	Sale	TW101 - TWO TECHNOLOGIES N5 SCAN, ANDROID, 16GB, 2GB RAM, CELLULAR, BLUETOOTH, WI-FI, 1D/2D BARCODE, MSR, CAMERA, 3" INTEGRATED PRINTER	\$ 3,159.00	13 ea	\$ 41,067.00
34	Sale	TW106 - TWO TECHNOLOGIES N5, 4 SLOT CRADLE W/POWER SUPPLY, CABLE	\$ 1,193.00	3 ea	\$ 3,579.00
35	Sale	TW105 - TWO TECHNOLOGIES N5 SINGLE SLOT CRADLE W/POWER SUPPLY, CABLE	\$ 332.00	1 ea	\$ 332.00
36	Sale	TW107 - TWO TECHNOLOGIES N5, SPARE BATTERY	\$ 138.00	13 ea	\$ 1,794.00
37	Sale	TW108 - TWO TECHNOLOGIES N5, CARRY CASE	\$ 37.00	13 ea	\$ 481.00
38	Sale	TW109 - TWO TECHNOLOGIES N5, SHOULDER STRAP	\$ 82.00	13 ea	\$ 1,066.00
39	Subtotal	Subtotal			\$ 48,319.00
40	Discount	Discount-TT 15% HW - Discount- 15% TickeTrak Hardware			-\$ 7,247.85
41	Sale	TW118 - TWO TECHNOLOGIES N5 SCAN, 5 YEAR TOPAZ LEVEL WARRANTY	\$ 1,280.00	13 ea	\$ 16,640.00
42	Sale	S542A - 8GB MICRO SDHC CARD	\$ 6.00	13 ea	\$ 78.00
43	Sale	SM200 - STAR MICRONICS, TSP654IIU-24 GRY US, THERMAL PRINTER, WEB PRINT ENABLED, CUTTER, USB, GRAY, POWER SUPPLY INCLUDED	\$ 425.00	2 ea	\$ 850.00
44	Sale	SM250 - STAR MICRONICS, CD3-1313BK45-S2, CASH DRAWER, BLACK, 13WX13D, PRINTER DRIVEN, 4BILL-5COIN, 2 MEDIA SLOTS, CABLE INCLUDED	\$ 135.00	2 ea	\$ 270.00
45	Sale	SM300 - STAR MICRONICS, CONSUMABLES, TRF-58S2 RECEIPT PAPER, DIRECT THERMAL, 2.28" X 49', 0.5" CORE, 1.5" OD, 100 ROLLS PER CASE, PRICED PER CASE	\$ 209.00	1 ea	\$ 209.00
46	Subtotal	Subtotal			\$ 18,047.00

# Estimate

10/04/2016

## Cardinal Tracking, Inc.

Cardinal Tracking, Inc.  
 1825 Lakeway Dr Suite 100  
 Lewisville, TX 75057-6046  
 Phone: 972-539-9650  
 Fax: 972-539-8914  
 Email: accounting@cardinaltracking.com

58066



Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
47	Sale	24IT3X9X-6 - TickeTrak IT-3000/3100/9000 3 1/8x6 Polytherm Tickets - 100/Roll	\$ 6.28	550 ea	\$ 3,454.00
48	Sale	240002-Y - TickeTrak Envelopes - YELLOW 3.5 x 5 Folded 500 per box	\$ 41.25	80 box	\$ 3,300.00
49	Sale	240009 - Ticket Artwork Composition Fee	\$ 120.00	1 ea	\$ 120.00
50	Sale	240010 - Ticket Plate Set-Up Fee	\$ 150.00	1 ea	\$ 150.00
51	Sale	TT102 - TickeTrak On-Site Installation (Per Day)	\$ 1,000.00	1 ea	\$ 1,000.00
52	Sale	TT101 - TickeTrak On-Site Training (Per Day)	\$ 1,000.00	4 ea	\$ 4,000.00
53	Sale	TT109 - TickeTrak On-Site Travel & Living Expenses TO BE DETERMINED	\$ 400.00	5 ea	\$ 2,000.00
54	Sale	TU08 - TickeTrak COMPLETE System Annual Software License and Customer Support Renewal Please Note: Annual license and support fees (calculated at 18% of software purchase price) \$16436.70 are not included but will be billed annually beginning year two for standard purchases.	\$ 0.00	1 ea	\$ 0.00

<b>Subtotal:</b>	<b>\$ 206,457.15</b>
<b>Sales Tax:</b>	<b>\$ 0.00</b>
<b>Total:</b>	<b>\$ 206,457.15</b>

Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
 PLEASE NOTE: Prices are guaranteed for sixty (60) days from proposal date.  
 50% of total required with Purchase Order.  
 ALL \*\*SHIPPING CHARGES ARE PREPAID AND BILLED AT TIME OF SHIPMENT\*\*

# Estimate

10/03/2016

## Cardinal Tracking, Inc.

Cardinal Tracking, Inc.  
 1825 Lakeway Dr Suite 100  
 Lewisville, TX 75057-6046  
 Phone: 972-539-9650  
 Fax: 972-539-8914  
 Email: accounting@cardinaltracking.com

58077



### Bill To:

HOLLYWOOD, CITY OF  
 2600 HOLLYWOOD BLVD  
 RM 221  
 HOLLYWOOD, FL 33020  
 Phone: 9549213345`

### Ship To:

HOLLYWOOD, CITY OF  
 2600 HOLLYWOOD BLVD  
 RM 221  
 HOLLYWOOD, FL 33020

Contact: HOLLYWOOD, CITY OF

Customer: HOLLYWOOD, CITY OF

Seller	Payment Terms	FOB Point	Carrier	Ship Service	Requested Ship Date
PT	NET 30	Origin	UPS Ground	Ground	10/03/2016

Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
1	Sale	GEN101 - Genetec GSC AutoVu Standard Base Package, Works with Genetec Security Center, SQL 2008 Express Edition included, Full Microsoft SQL Server 2008 package not included. Camera connection NOT included	\$ 1,000.50	1 ea	\$ 1,000.50
2	Sale	GEN108 - Genetec GSC AutoVu Managed Service for one (1) year, Max ten (10) Patroller connections included, No fixed camera connection supported, Max five (5) Concurrent Security Desk Connections, Limited Functionalities (Please Refer to Product Description)	\$ 4,140.00	1 ea	\$ 4,140.00
3	Sale	GEN105 - Genetec AutoVu SharpX OVERTIME Dual Base KIT Includes Main Processing Unit, Hard Mount Brackets, Wiring, Navigator Kit w/GPS, Tire Cameras, High Resolution LPR Units and in-Vehicle License	\$ 56,062.50	1 ea	\$ 56,062.50
4	Sale	GEN109 - Genetec Permit Zone Configuration Services for AutoVu Mobile With or Without Wheel Imaging Package (ex: Zone Editor, Mapping, Custom Enforcement Rules), Maximum of 50 Permit Zones Will Be Configured	\$ 1,150.00	1 ea	\$ 1,150.00
5	Sale	GEN134 - Genetec Onsite Installation and Training	\$ 4,025.00	2 ea	\$ 8,050.00

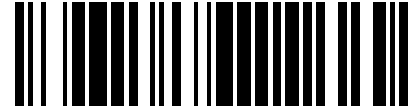
# Estimate

10/03/2016

## Cardinal Tracking, Inc.

Cardinal Tracking, Inc.  
1825 Lakeway Dr Suite 100  
Lewisville, TX 75057-6046  
Phone: 972-539-9650  
Fax: 972-539-8914  
Email: accounting@cardinaltracking.com

58077



Item #	Type	Number / Description	Unit Price	Qty Ordered	Total Price
6	Sale	GEN106 - Genetec Mapping License Including Data for North America - Per Vehicle License	\$ 862.50	1 ea	\$ 862.50
7	Sale	GEN102 - Genetec Mapping License, For Security Center including data for North America - Up to 5 concurrent Security Desk Connections	\$ 862.50	1 ea	\$ 862.50

---

<b>Subtotal:</b>	<b>\$ 72,128.00</b>
<b>Sales Tax:</b>	<b>\$ 0.00</b>
<b>Total:</b>	<b>\$ 72,128.00</b>

Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
PLEASE NOTE: Prices are guaranteed for sixty (60) days from proposal date.  
50% of total required with Purchase Order.  
ALL \*\*SHIPPING CHARGES ARE PREPAID AND BILLED AT TIME OF SHIPMENT\*\*



## **CERTIFICATE OF INSURANCE**

The following page is Cardinal's certificate of liability insurance which meets the requirements set forth in this bid.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/3/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> IBTX Risk Services DFW 6363 N. State Highway 161, #100  Irving TX 75038	<b>CONTACT NAME:</b> Elvia Salazar <b>PHONE (A/C. No. Ext):</b> (214) 989-7100 <b>E-MAIL ADDRESS:</b> esalazar@ib-tx.com	<b>FAX (A/C. No.):</b> (214) 596-9030
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> (800) 285-3833 Cardinal Tracking and Management Systems, Inc  1825 Lakeway Dr # 100  Lewisville TX 75057	<b>INSURER A:</b> Federal Insurance Company <b>NAIC #</b> 20281	
	<b>INSURER B:</b> Great Northern Insurance Co. <b>NAIC #</b> 20303	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
<b>INSURER F:</b>		

**COVERAGES**

CERTIFICATE NUMBER: Cert ID 20413

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			3603-35-60	2/27/2016	2/27/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Empl Benefits Liab \$ 1,000,000
B	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			7359-28-54	2/27/2016	2/27/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			7989-58-76	2/27/2016	2/27/2017	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000 P&A Injury Agg \$ 3,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	7175-49-26	2/27/2016	2/27/2017	<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000 \$ \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The General Liability and Automobile policies include a blanket automatic additional insured endorsement [80-02-2367 05/07 & 16020292 04/11] that provides this feature only when there is a written contract with named insured that requires such status. Primary Non-Contributory applies per attached [80022367 05/07]. The General Liability, Automobile, and Workers' Compensation policies include a blanket automatic waiver of subrogation endorsement [80022000 4/01, WC000313 4/84 & 16020292 4/11] that provides this feature only when there is a written contract with the named insured that requires such status. Cancellation 80029791 4/13, 16020306 5/11 & 420601 7/84

**CERTIFICATE HOLDER**

City of Hollywood  
 Office of the City Clerk  
 2600 Hollywood Blvd Room 221  
  
 Hollywood FL 33020

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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## HOSTED SOLUTION INFORMATION

The following pages provide more information on our hosted solution with Rackspace providing details on their security and compliance policies and our disaster recovery plan.

# RACKSPACE® SECURITY & COMPLIANCE

Security and compliance can be complex subjects. As always, Rackspace stands ready to help by providing clarity in the midst of confusion. Let the information on this page be your guide to helping you understand the security and compliance controls Rackspace has in place as your hosting provider.

RACKSPACE SECURITY CONTROLS	
<b>Physical Security</b> <ul style="list-style-type: none"> <li>• Data center access is limited to only authorized personnel</li> <li>• Badges and biometric scanning for controlled data center access</li> <li>• Security camera monitoring at all data center locations</li> <li>• Access and video surveillance log retention</li> <li>• 24x7x365 onsite staff provides additional protection against unauthorized entry</li> <li>• Unmarked facilities to help maintain low profile</li> <li>• Physical security audited by independent firms annually</li> </ul>	<b>Environmental Controls</b> <ul style="list-style-type: none"> <li>• Dual power paths into facilities</li> <li>• Uninterruptable Power Supplies (minimum N+1)</li> <li>• Diesel Generators (minimum N+1)</li> <li>• Service agreements with fuel suppliers in place</li> <li>• HVAC (minimum N+1)</li> <li>• VESDA / Fire Suppression</li> <li>• Flood detection</li> <li>• Continuous facility monitoring</li> </ul>
<b>Network Infrastructure</b> <ul style="list-style-type: none"> <li>• High-performance bandwidth provided by multiple network providers</li> <li>• Elimination of single points of failure throughout shared network infrastructure</li> <li>• Cables properly trunked and secured</li> <li>• Proactive network management methodology monitors network route efficiency</li> <li>• Real-time topology and configuration improvements to adjust for anomalies</li> <li>• Network uptime backed by Service Level Agreements</li> <li>• Network management performed by only authorized personnel</li> </ul>	<b>Human Resources</b> <ul style="list-style-type: none"> <li>• Background screening performed on employees with access to customer accounts</li> <li>• Employees are required to sign Non-Disclosure and Confidentiality Agreements</li> <li>• Employees undergo mandatory security awareness training upon employment and annually thereafter</li> </ul>
<b>Operations Security</b> <ul style="list-style-type: none"> <li>• ISO 27001/2 based policies, reviewed at least annually</li> <li>• Documented infrastructure Change Management procedures</li> <li>• Secure document and media destruction</li> <li>• Incident Management function</li> <li>• Business Continuity Plan focused on availability of infrastructure</li> <li>• Independent Reviews performed by third parties</li> <li>• Continuous monitoring and improvement of security program</li> </ul>	<b>Security Organization</b> <ul style="list-style-type: none"> <li>• Security management responsibilities assigned to Global Security Services</li> <li>• Chief Security Officer oversight of Security Operations and Governance, Risk, and Compliance activities</li> <li>• Direct involvement with Incident Management, Change Management, and Business Continuity</li> </ul>

For more information or to chat with a specialist: **1-800-961-2888** or **www.rackspace.com**

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**FANATICAL SUPPORT.**

Toll Free: **1.800.961.2888** | International: **1.210.312.4700** | **www.rackspace.com**  
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 RACKSPACE® HOSTING | 5000 WALZEM ROAD | SAN ANTONIO, TX 78218 U.S.A. | DATE MODIFIED: 09262012



# RACKSPACE® SECURITY ASSESSMENTS AND COMPLIANCE

Rackspace maintains various certifications to assist you in verifying the security policies and processes Rackspace has in place for the environment of your hosted infrastructure. We've been assessed and hold validation for the following compliance frameworks:

- ISO 27001
- SSAE 16 and ISAE 3402 (Previously SAS 70 Type II)
- PCI DSS
- Safe Harbor (export.gov)

It's important to note that Rackspace certifications do not make you compliant with your specific regulatory and compliance requirements. However, we do offer products and services that can assist you in addressing your requirements. For more information, please inquire with a Rackspace Sales Representative.

RACKSPACE COMPLIANCE
<b>ISO 27001</b>
The Rackspace ISO 27001 certified Information Security Management System (ISMS) is an iterative management system that helps ensure that our security policies and processes are effective in mitigating identified risks. Specifically, our ISMS at Rackspace certifies the management of information security in the operations of our data center facilities.
<b>SSAE 16 and ISAE 3402</b>
The global Rackspace Type II SOC1 report can be used to satisfy requirements under both the SSAE 16 and ISAE 3402 standards. This report contains a description of the controls we have in place, and the auditor's informed opinion of how effective the controls were during the audit period. Rackspace's audit period is from 1st October to 31st September of every year.
<b>PCI DSS</b>
A Qualified Security Assessor (QSA) validates Rackspace as being a PCI DSS Level 1 Service Provider. The QSA validation of our compliance to the PCI DSS covers: <ul style="list-style-type: none"><li>• Physical security for Rackspace data centers located in:<ul style="list-style-type: none"><li>o United Kingdom</li><li>o Hong Kong</li><li>o United States</li></ul></li><li>• Network infrastructure (routers and switches)</li><li>• Rackspace employee access to network devices</li></ul> Please note that simply hosting a solution with Rackspace does not make you PCI-DSS compliant. However, outsourcing hosting services to a PCI DSS validated Level 1 Service Provider can greatly reduce the scope and complexity of your compliance efforts. We can provide services, products and an extensive solution partner network that can help satisfy many of your PCI-DSS requirements.

For more information or to chat with a specialist: **1-800-961-2888** or **www.rackspace.com**

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# Cardinal Tracking, Inc.

## Disaster Recovery Plan (DRP) for Cardinal Cloud Application Hosting Services

### Plan and related Business Processes

Business Process	Feature	Relevant Technical Components
<i>Cardinal Hosted Applications</i>	<i>Cloud-Based Servers and Applications accessible via the internet</i>	<ul style="list-style-type: none"><li>• Rackspace Cloud Architecture</li><li>• Cardinal Technical Staff and Response Team</li><li>• Backup and Restoration Services</li></ul>

Update: 11/1/2015

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## 1. Purpose and Objective

---

CARDINAL TRACKING, INC. developed this disaster recovery plan (DRP) to be used in the event of a significant disruption to the features listed in the table above. The goal of this plan is to outline the key recovery steps to be performed during and after a disruption to return to normal operations as soon as possible.

### Scope

---

The scope of this DRP document addresses technical recovery only in the event of a significant disruption.

This disaster recovery plan provides:

- Guidelines for **determining plan activation**;
- Technical **response flow** and recovery strategy;
- Guidelines for **recovery procedures**;
- References to key **Business Resumption Plans** and technical dependencies;
- **Rollback procedures** that will be implemented to return to [standard operating state](#);
- **Checklists** outlining considerations for escalation, incident management, and plan activation.

The specific objectives of this disaster recovery plan are to:

- Immediately mobilize a core group of leaders to assess the technical ramifications of a situation;
- Set technical priorities for the recovery team during the recovery period;
- Minimize the impact of the disruption to the impacted features and business groups;
- Stage the restoration of operations to full processing capabilities;
- Enable rollback operations once the disruption has been resolved if determined appropriate by the recovery team.

Within the recovery procedures there are dependencies between supporting technical groups within and outside CARDINAL TRACKING, INC. This plan is designed to identify the steps that are expected to take to coordinate with other groups / vendors to enable their own recovery. This plan is not intended to outline all the steps or recovery procedures that other departments need to take in the event of a disruption, or in the recovery from a disruption.

## 2. Dependencies

---

This section outlines the dependencies made during the development of this SharePoint disaster recovery plan. If and when needed the CARDINAL NETWORK/IT STAFF will coordinate with their partner groups as needed to enable recovery.

Dependency	Assumptions
User Interface / Rendering Presentation components	<ul style="list-style-type: none"><li>• Users (end users, power users, administrators) are unable to access the system through any part of the instance (e.g. client or server side, web interface or downloaded application).</li></ul>

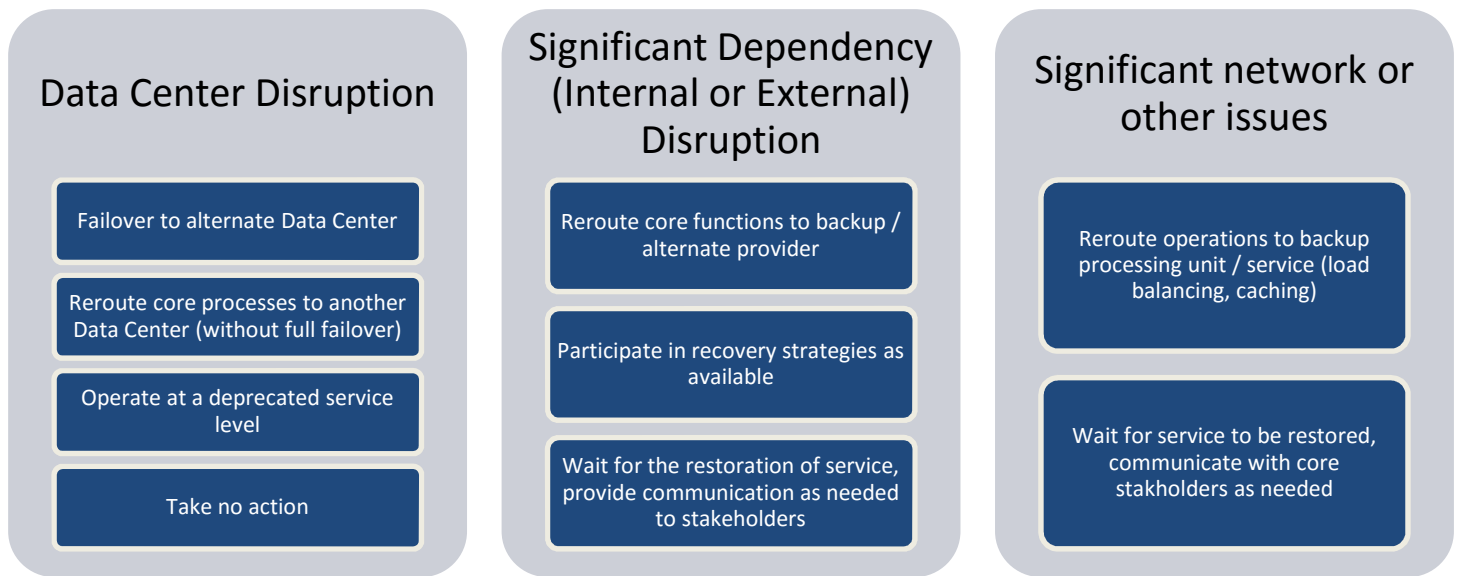


<b>Business Intelligence / Reporting</b> Processing components	<ul style="list-style-type: none"> <li>• Infrastructure and back-end services are still assumed to be active/running.</li> <li>• The collection, logging, filtering, and delivery of reported information to end users is not functioning (with or without the user interface layer also being impacted).</li> <li>• Standard backup processes (e.g. tape backups) are not impacted, but the active / passive or mirrored processes are not functioning.</li> <li>• Specific types of disruptions could include components that process, match and transforms information from the other layers. This includes business transaction processing, report processing and data parsing.</li> </ul>
<b>Network Layers</b> Infrastructure components	<ul style="list-style-type: none"> <li>• Connectivity to network resources is compromised and/or significant latency issues in the network exist that result in lowered performance in other layers.</li> </ul>
<b>Storage Layer</b> Infrastructure components	<ul style="list-style-type: none"> <li>• Loss of SAN, local area storage, or other storage component.</li> </ul>
<b>Database Layer</b> Database storage components	<ul style="list-style-type: none"> <li>• Data within the data stores is compromised and is either inaccessible, corrupt, or unavailable</li> </ul>
<b>Hardware/Host Layer</b> Hardware components	<ul style="list-style-type: none"> <li>• Physical components are unavailable or affected by a given event</li> </ul>
<b>Virtualizations (VM's)</b> Virtual Layer	<ul style="list-style-type: none"> <li>• Virtual components are unavailable</li> <li>• Hardware and hosting services are accessible</li> </ul>
<b>Administration</b> Infrastructure Layer	<ul style="list-style-type: none"> <li>• Support functions are disabled such as management services, backup services, and log transfer functions.</li> <li>• Other services are presumed functional</li> </ul>
<b>Internal/External Dependencies</b>	<ul style="list-style-type: none"> <li>• Interfaces and intersystem communications corrupt or compromised</li> </ul>

In addition assumptions within the Business Continuity Plan for this work stream still apply.

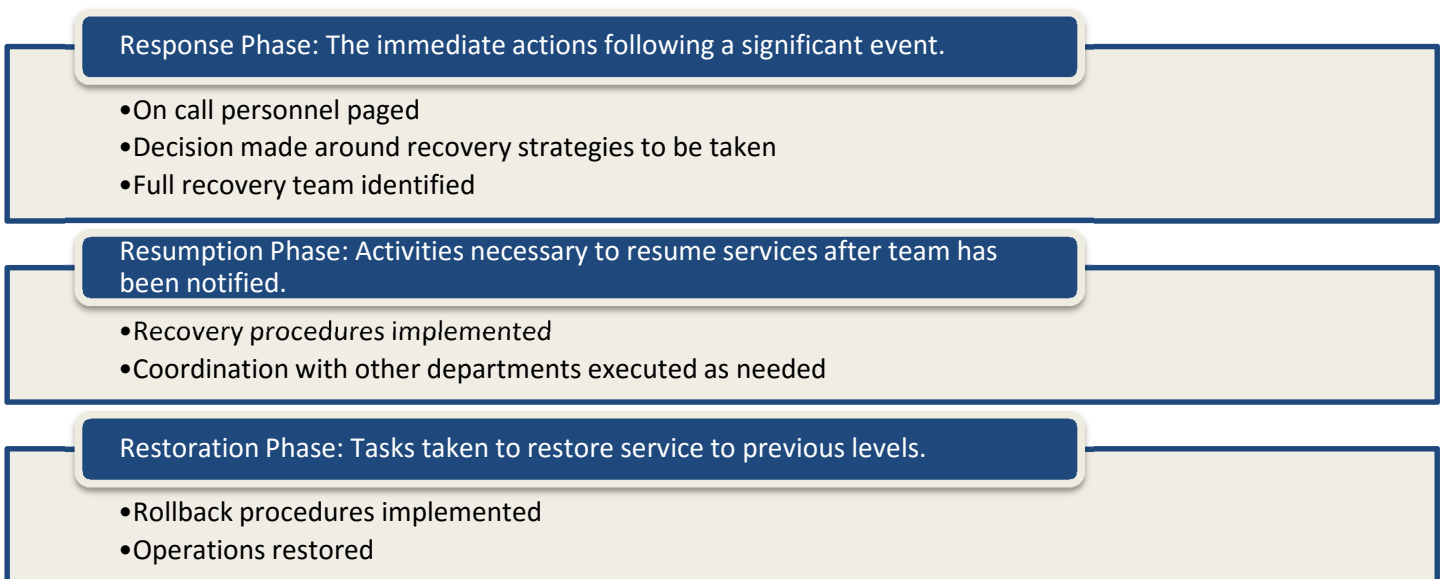
### 3. Disaster Recovery Strategies

The overall DR strategy of Cardinal Tracking is summarized in the table below and documented in more detail in the supporting sections. These scenarios and strategies are consistent across the technical layers (user interface, reporting, etc.)



### 4. Disaster Recovery Procedures

A disaster recovery event can be broken out into three phases, the response, the resumption, and the restoration. These phases are also managed in parallel with any corresponding business continuity recovery procedures summarized in the business continuity plan.



#### Response Phase

The following are the activities, parties and items necessary for a DR response in this phase. Please note these procedures are the same regardless of the triggering event (e.g. whether caused by a Data Center disruption or other scenario).

### Response Phase Recovery Procedures – All DR Event Scenarios

Step	Owner	Duration	Components
Identify issue, page on call / Designated Responsible Individual (CARDINAL NETWORK/IT STAFF)	Cardinal Automated Monitoring Console	1 minute from event occurrence	<ul style="list-style-type: none"> <li>Issue communicated / escalated</li> <li>Priority set</li> </ul>
Identify the team members needed for recovery	CARDINAL NETWORK/IT STAFF	15 minutes from event occurrence	Selection of core team members required for restoration phase from among the following groups: <ul style="list-style-type: none"> <li>Operations</li> <li></li> </ul>
Establish a conference line for a bridge call to coordinate next steps	CARDINAL NETWORK/IT STAFF or Ops	20 minutes from event occurrence	Primary bridge line: <b>(800)285-3833 X400 Bridge 99999</b> Alternate / backup communication tools: email, IM
Communicate the specific recovery roles and determine which recovery strategy will be pursued.	CARDINAL NETWORK/IT STAFF	30 minutes from event occurrence	<ul style="list-style-type: none"> <li>Documentation / tracking of timelines and next decisions</li> <li>Creation of disaster recovery event command center / “war room” as needed</li> </ul>

This information is also summarized by feature in [Appendix A: Disaster Recovery Contacts - Admin Contact List](#).

## Resumption Phase

During the resumption phase, the steps taken to enable recovery will vary based on the type of issue. The procedures for each recovery scenario are summarized below.

### Data Center Recovery

#### Full Data Center Failover

Step	Owner	Duration	Components
Initiate Failover	CARDINAL NETWORK/IT STAFF	45 minutes from occurrence	<ul style="list-style-type: none"> <li>Restoration procedures identified</li> <li>Risks assessed for each procedure</li> <li>Coordination points between groups defined</li> <li>Issue communication process and triage efforts established</li> </ul>
Complete Failover	CARDINAL NETWORK/IT STAFF	2 hours from event occurrence	<ul style="list-style-type: none"> <li>Recovery steps executed, including handoffs between key dependencies</li> </ul>
Test Recovery	CARDINAL NETWORK/IT STAFF	3 hours from event occurrence	<ul style="list-style-type: none"> <li>Tests assigned and performed</li> <li>Results summarized and communicated to group</li> </ul>
Failover deemed successful	CARDINAL NETWORK/IT STAFF	3 hours from event occurrence	<ul style="list-style-type: none"> <li>Internal IT Staff and Stakeholder confirmation communication.</li> </ul>

*Take no action – monitor for Data Center recovery*

This recovery procedure would only be the chosen alternative in the event no other options were available to (e.g. the cause and recovery of the Data Center is fully in the control of another department or vendor).

Step	Owner	Duration	Components
Track communication and status with the core recovery team.	CARDINAL NETWORK/IT STAFF	Every 30 minutes until service restoration	<ul style="list-style-type: none"> <li>Email Phone communication with external department/vendor</li> </ul>
Send out frequent updates to core stakeholders with the status.	CARDINAL NETWORK/IT STAFF	Every hour until service restoration	<ul style="list-style-type: none"> <li>Email Phone communication with Cardinal customer</li> </ul>

*Internal or External Dependency Recovery*

*Execute available recovery procedures*

Step	Owner	Duration	Components
Inform other teams about technical dependencies	CARDINAL NETWORK/IT STAFF	Every 30 minutes until service restoration	<ul style="list-style-type: none"> <li>Email Phone communication</li> </ul>

*Take no action – monitor status*

This recovery procedure would only be the chosen alternative in the event no other options were available to Cardinal Network/IT Staff (e.g. the cause and recovery of the disruption is fully in the control of another department or vendor).

Step	Owner	Duration	Components
Track communication and status with the core recovery team.	CARDINAL NETWORK/IT STAFF	Every 30 minutes until service restoration	<ul style="list-style-type: none"> <li>Email Phone communications</li> </ul>
Send out frequent updates to core stakeholders with the status.	CARDINAL NETWORK/IT STAFF	Every hour until service restoration	Email Phone communications

## Significant Network or Other Issue Recovery (Defined by quality of service guidelines)

### Contact Network or Other Provider to resolve issue

Step	Owner	Duration	Components
Identify issue, page on call / Designated Responsible Individual (CARDINAL NETWORK/IT STAFF)	Cardinal Automated Monitoring Console	1 minute from event occurrence	<ul style="list-style-type: none"> <li>Issue communicated / escalated</li> <li>Priority set</li> </ul>
Identify the team members needed for analysis and correction	CARDINAL NETWORK/IT STAFF	15 minutes from event occurrence	Selection of core team members required for communication phase from among the following groups: <ul style="list-style-type: none"> <li>Operations</li> <li></li> </ul>
Contact Network/Host facility to address and monitor issue.	CARDINAL NETWORK/IT STAFF or Ops	20 minutes from event occurrence	<ul style="list-style-type: none"> <li>Phone/Email contact</li> </ul>
Monitor status with Network Host facility	CARDINAL NETWORK/IT STAFF	Every 30 minutes until event resolution	<ul style="list-style-type: none"> <li>Phone/Email contact</li> </ul>
Communicate status to core stakeholders	CARDINAL NETWORK/IT STAFF	Every hour until event resolution	<ul style="list-style-type: none"> <li>Phone/Email contact</li> </ul>

### Take no action – monitor status

This recovery procedure would only be the chosen alternative in the event no other options were available to (e.g. the cause and recovery of the internal or external dependency is fully in the control of another department or vendor).

Step	Owner	Duration	Components
Track communication and status with the core recovery team.	CARDINAL NETWORK/IT STAFF	Every 30 minutes until event resolution	<ul style="list-style-type: none"> <li>Phone/Email contact</li> </ul>
Send out frequent updates to core stakeholders with the status.	CARDINAL NETWORK/IT STAFF	Every hour until event resolution	<ul style="list-style-type: none"> <li>Phone/Email contact</li> </ul>

## Restoration Phase

During the restoration phase, the steps taken to enable recovery will vary based on the type of issue. The procedures for each recovery scenario are summarized below.

## Appendix A: Disaster Recovery Contacts - Admin Contact List

The **critical team members** who would be involved in recovery procedures for feature sets are summarized below.

Feature Name	Contact Lists
Cardinal Network IT Staff	<ul style="list-style-type: none"> <li>Clyde Blalock – Hosting and Network IT Staff</li> <li>Sokha Ben- Hosting and Network IT Staff</li> </ul>
Cardinal Support Staff	<ul style="list-style-type: none"> <li>Jeremy Moon – Support Manager</li> </ul>

For the key internal and external dependencies identified, the following are the primary contacts.

Dependency Name	Contact Information
Cloud Services Support	Rackspace Cloud Support Team

In addition the key BCP individuals are:

- 

## Appendix B: Document Maintenance Responsibilities and Revision History

This section identifies the individuals and their roles and responsibilities for maintaining this Disaster Recovery Plan.

### Primary Disaster Recovery Plan document owner is:

Primary Designee: Sokha Ben – Cardinal Tracking IT/Network Manager

Alternate Designee: Clyde Blalock – Cardinal Tracking Hosting and Network Staff

Name of Person Updating Document	Date	Update Description	Version #	Approved By
Sokha Ben	11/01/2015	Document Creation and Certification	1.0	SB

## Appendix D: Glossary/Terms

---

**Standard Operating State:** Production state where services are functioning at standard state levels. In contrast to recovery state operating levels, this can support business functions at minimum but deprecated levels.

**Presentation Layer:** Layer which users interact with. This typically encompasses systems that support the UI, manage rendering, and captures user interactions. User responses are parsed and system requests are passed for processing and data retrieval to the appropriate layer.

**Processing Layer:** System layer which processes and synthesizes user input, data output, and transactional operations within an application stack. Typically this layer processes data from the other layers. Typically these services are folded into the presentation and database layer, however for intensive applications; this is usually broken out into its own layer.

**Database Layer:** The database layer is where data typically resides in an application stack. Typically data is stored in a relational database such as SQL Server, Microsoft Access, or Oracle, but it can be stored as XML, raw data, or tables. This layer typically is optimized for data querying, processing and retrieval.

**Network Layer:** The network layer is responsible for directing and managing traffic between physical hosts. It is typically an infrastructure layer and is usually outside the purview of most business units. This layer usually supports load balancing, geo-redundancy, and clustering.

**Storage Layer:** This is typically an infrastructure layer and provides data storage and access. In most environments this is usually regarded as SAN or NAS storage.

**Hardware/Host Layer:** This layer refers to the physical machines that all other layers are reliant upon. Depending on the organization, management of the physical layer can be performed by the stack owner or the purview of an infrastructure support group.

**Virtualization Layer:** In some environments virtual machines (VM's) are used to partition/encapsulate a machine's resources to behave as separate distinct hosts. The virtualization layer refers to these virtual machines.

**Administrative Layer:** The administrative layer encompasses the supporting technology components which provide access, administration, backups, and monitoring of the other layers.

## **LPR INTEGRATION WITH GENETEC**

The following pages provide more information on our LPR integration and partner, Genetec.





## License Plate Recognition for Law Enforcement



Advancements in license plate recognition (LPR) technology have enabled police agencies worldwide to apprehend more wanted suspects and recover more stolen vehicles, all while improving the safety of those on duty. Choosing the right LPR system, though, is vital to ensure a reliable solution to detect suspected vehicles and potential threats.

## AutoVu System Overview

Genetec AutoVu provides officers the most accurate and reliable LPR system in the industry, ensuring that thousands of plates can be read effortlessly during each shift. Available as both fixed and mobile camera systems, AutoVu has been engineered, tested, and proven to meet the demands of law enforcement applications.

### Hardware

The AutoVu Sharp family of IP-based LPR devices leads the industry in license plate read rates, ensuring an effective solution for police operations. The Sharp and SharpX are designed to provide the most accurate plate reads every shift, more plate reads in bad weather, or at poor angles, and even at high speeds. From vehicle mounted systems to fixed perimeter installations, AutoVu enables organizations to automate license plate identification, and share critical data amongst officers.

### Software

AutoVu Patroller is the intuitive in-vehicle control interface of the AutoVu system, providing easily accessible features for officers onboard, and allowing them to monitor incoming reads from LPR cameras. With touch-enabled functions, training on the system is easy for operators of all levels of technical experience.

Security Center is Genetec's unified security platform that provides real-time monitoring of AutoVu events, alarm management, as well as advanced data-mining and reporting capabilities. As license plate reads and hits are gathered from patrolling units in the field and from fixed AutoVu Sharp units, information is relayed to Security Center operators. In the case of fixed applications, not only can operators monitor the incoming reads from LPR cameras, but can also view live video that is captured from the Sharp camera.

### Hardware

#### AutoVu SharpX

- Plate capture across three lanes of traffic
- Up to 5,000 plate captures per minute
- Plate capture up to differential speeds of 200 MPH (320 km/h)
- Smallest high-resolution LPR camera on the market



#### AutoVu Sharp

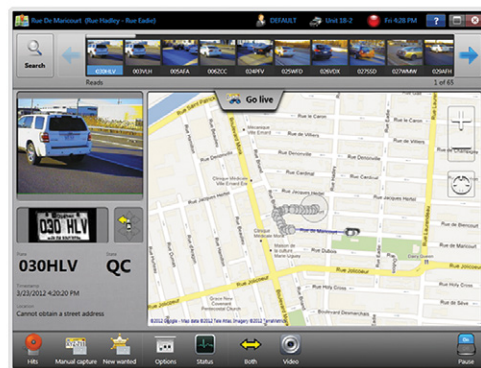
- Easily portable from vehicle-to-vehicle
- On-board video compression and analytics
- Plate capture up to differential speeds of 140 MPH (225 km/h)
- All-in-one solution with limited wiring required



### Software

#### AutoVu Patroller

On-board navigation and monitoring interface. LPR information can be sent to Security Center in real-time through live transmission.



## 5 Reasons For Choosing AutoVu

### Highest Accuracy Rate in the Industry

Backed by over 15 years' experience in LPR technology development, and the highest plate capture and recognition rates in the industry, police agencies trust AutoVu to identify all license plates within the camera's field of view. By combining state-of-the-art IP-based LPR cameras and advanced software features, AutoVu ensures highly-accurate verification analysis to provide officers with the best possible match of every license plate and to maximize wanted-vehicle identification within databases of vehicles of interest.



### Ease of Use

AutoVu is designed to automate and simplify the verification of license plates against multiple hotlists, increasing the safety of officers on patrol with a non-intrusive application that allows them to focus on other critical tasks, while alerting them, and the backoffice, when threats are detected. To ensure that operators feel at ease with this LPR system, AutoVu provides a user-friendly interface and features, including touch-enabled functions, graphical maps, associated image and time captures on every read.

### Purpose-Built, Real-Time Surveillance

With LPR cameras engineered to meet the demands of fixed and mobile law enforcement operations, and an advanced feature set to support officers on duty, the AutoVu system is an ideal choice for police agencies requiring a field-proven LPR solution. Because AutoVu is IP-based, users get real-time surveillance and identification of plates, while officers can also monitor the live update of LPR information using the Security Center client.

### Deploy as a Standalone or Think Bigger

AutoVu can easily be deployed as either a standalone system, or incorporated within a greater security and surveillance environment. Unification with video surveillance and access control systems is made easy within the Security Center platform and its video and access control modules, Omnicast, and Synergis. Through this single application, cities and police agencies can manage and monitor their LPR and video surveillance feeds, generate consolidated reports and centralize their alarm management.

### Advanced Reporting and Data Mining Capabilities

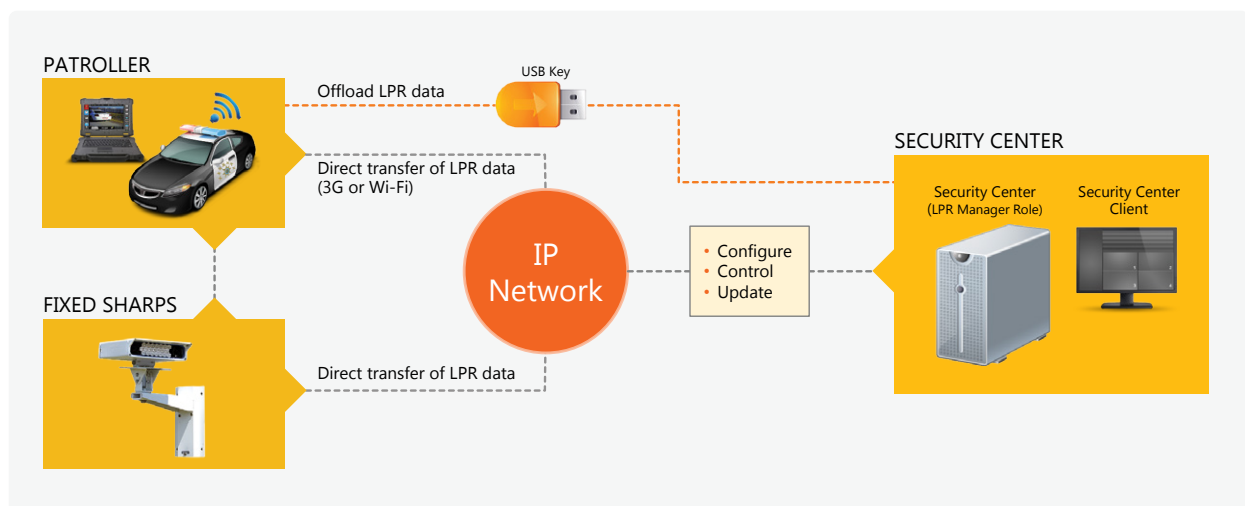
When reviewing plate reads or when receiving new wanted vehicle identifications, officers can easily search for full or partial license plates from their vehicle. Operators can rapidly review each hit corresponding to searches, as well as any associated data, including geographic coordinates.

With Security Center, users can generate a myriad of LPR-related reports that are highly intuitive and provide operators with a great deal of flexibility, allowing them to filter results based on date, time, patrolling unit, hotlist or area, and much more. Daily usage statistics and logon reports can also be queried to retrieve hit and read statistics, route playback data, and inventory information.

Through the use of graphical displays, data is visualized and easily understood, as it is overlaid atop of maps pinpointing each read, hit, and vehicle coordinates.



### AutoVu System Diagram



# AutoVu License Plate Recognition

## Key Features

**Fuzzy Matching** – Due to environmental factors, such as dirt or snow accumulation on license plates, errors sometime occur in a read. The fuzzy matching feature enhances verification within AutoVu to ensure that even if a read is imperfect, operators are still getting the best possible matches of every license plate to the database of vehicles of interest. Fuzzy matching analyzes incomplete license plate reads, containing one or more errors, against a hotlist and alerts the officer in case of any potential matches.

**In-Vehicle Mapping** – AutoVu is equipped with intuitive graphical features, including in-vehicle mapping, to help ensure accuracy and ensure operators can remain effective while on duty. Accessible from within the vehicle or the backoffice, map displays provide operators an easier method to not only visualize the location of a read but also generates a specific location such as a street address.

**Wildcard Hotlists** – When only partial license plate numbers are available to identify a suspect vehicle, officers can create a wildcard hotlist database in order to rapidly identify potential hits. Notifications of hotlist hits can be identified with different sounds, colors, and priority assignments than those of definite matches.

**Covert Hotlists** – Covert hotlists are available to ensure the discretion of an on-going investigation or special operation. When a hit is identified, only the authorized officer at the Security Center station will be notified, while the in-vehicle patroller will not be alerted. This enables enforcement officials to assign multiple objectives to the vehicle and backend systems, while not interrupting the priorities of officers on duty.

**Automatic Events and Alarms** – Officers can receive automated alarms and events from the AutoVu system when a black-listed, wanted, or stolen vehicle is detected. This allows officials to prioritize and respond to the events deemed most urgent.

**Live Data Transmission** – The AutoVu system ensures officers are kept up-to-date with the latest information through the live update of LPR reads and hits. Using the Security Center client, officers can remotely monitor one or more Patroller units, fixed Sharp cameras, or specific hotlists in real-time.

**Third-Party System Integration** – Through its advanced SDK, AutoVu can integrate with other software applications to fit within existing workflows and operational processes.

## Put AutoVu to the test with the new Pilot to Purchase Program!

You can now get hands-on experience with the market's leading LPR technology at no cost. Through Genetec's new pilot program, law enforcement agencies can now receive a free trial of AutoVu to test on their vehicle.

For more details, and to participate in the **Pilot to Purchase Program**, contact us at [sales@genetec.com](mailto:sales@genetec.com)

### What's Included

- A multi-camera LPR system with in-vehicle and back-office software for 60 days\*
- Full installation of software, vehicle equipment, and operator training
- Technical and field support for 60 days

\* Customers must supply their own in-vehicle computer and back-end server.

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# AutoVu™ SharpX

## High-Resolution Automatic License Plate Recognition Camera

The SharpX is an IP-based automatic license plate recognition (ALPR) camera of the AutoVu system. Designed for the most demanding situations, the SharpX provides high license plate capture and read rates in both mobile and fixed deployments. The SharpX helps public safety agencies and private organizations locate vehicles of interest, monitor vehicles entering and exiting their premises and enforce parking bylaws.

Combined with AutoVu’s robust feature set, the SharpX can compare scanned vehicles to lists of wanted vehicles, parking permit owners or employees, and automatically notify operators of situations requiring their intervention.

### Get More from Your ALPR System

**Unsurpassed Reading Accuracy** – The AutoVu SharpX uses a progressive scan sensor with 1024 × 946 (XGA) resolution to capture license plate images for analysis. This sensor provides an image resolution two to three times higher than most solutions found on the market today, ensuring better readability in different cases such as bad weather, dirty or obstructed plates, difficult angles, and reads across three lanes in mobile applications.

**Analyse Vehicle Behavior and Characteristics** – The SharpX provides more than license plate numbers. Advanced AutoVu analytics can identify a license plate’s state or country of issuance as well as vehicle make. AutoVu also analyzes the behavior of scanned vehicles, calculating their speed and direction of travel with a single camera. The SharpX enhances situational awareness and unlocks new insights into vehicle conduct on monitored installations and roads.

**Unified with Video Surveillance and Access Control** – When unified with video surveillance and access control systems within Genetec’s Security Center platform, AutoVu SharpX cameras can be leveraged as video surveillance units, in addition to reading license plates, increasing situational awareness for operators.

### SharpX Key Features

Up to 4 high-resolution ALPR cameras on the same processing unit

Reads license plates 24 hours a day and in any environmental conditions with built-in illumination

Designed for fixed and mobile ALPR applications

Captures license plates on vehicle travelling at speeds over 220 MPH (355 km/h)

Identifies vehicle make and license plate state or country of origin alongside ALPR reads

Streams live video to Genetec’s Security Center unified security platform

Supports international plate reading



# AutoVu SharpX Camera Specifications

	AutoVu SharpX XGA	AutoVu SharpX VGA
ALPR camera sensor	1024 × 946 progressive scan @ 30 fps, monochrome. Wide mode (1280 × 808) and Standard mode (1024 × 768) also available within the same camera	640 × 480 progressive scan @ 30 fps, monochrome
Capture range	Up to 115-foot (35-meter) range with reflective license plates	Up to 70-foot (21-meter) range with reflective license plates
Illuminator	Pulsed LED illuminator for effective use in 0 lux (total darkness) environments   Different illumination wavelengths available	
Camera lens options	8mm, 12mm, 16mm, 25mm, 35mm, 50mm	
Context camera sensor	Color camera 640 x 480 @ 30 fps (ALPR) and 15 fps (live video streaming in fixed installations)	
Temperature	-4°F to 150°F (-20°C to 65°C) operating   -40°F to 185°F (-40°C to 85°C) storage   IEC 60068-2-1 Category Ad IEC 60068-2-2 Category Bd   IEC 60068-2-14 Category Na   Includes hi-temp auto-shutoff protection	
Extended temperature option	-40°F to 150°F (-40°C to 65°C) operating	
Water resistance / sealing	IEC 60529 IPx5, IPx7   IEC 60529 IP6x	
Available colors	White / Black	
Vibration	MIL-STD-810G Method 514.6C, Cat 4	
Shock resistance	IEC 60068-2-27 Test Ea   IEC 60068-2-31 Test Ec, Procedure 1	
Housing and mounting	Extruded aluminum housing with universal T-slots on either side for universal mounting	
Dimensions	1.65 (h) × 4.75 (w) × 4.84 (d) inches (4.2 × 12 × 12.3 cm)   Excludes cabling and mounting bracket	
Weight	1.5 lbs (0.7 kg)	
Electromagnetic immunity and emissions	FCC part 15 Subpart B   ICES-003 Issue 4   CISPR22 / EN55022+AC2011   CISPR 24 / EN 55024   CISPR25 / EN55025	
EMC Directive (CE Marking)	2004/108/EC and 2004/104/EC	

# AutoVu ALPR Processing Unit Specifications

I/O	2 × 10/100/1000 Base-T Ethernet ports   2/4 x ALPR camera inputs
Dimensions	12.6 × 8.6 × 4.72 inches (32 × 22 × 12 cm)
Processor	1/2 Intel® Atom™ Processor N2600. Up to 4 ALPR cameras (XGA or VGA) per processing unit
Power supply	12/24 VDC @ 60 W typical (76W for 4 cameras on X2S and 61W for 4 cameras on X1S)
Temperature	-40°F to 150°F (-40°C to 65°C) operating   -40°F to 185°F (-40°C to 85°C) storage   IEC 60068-2-1 Category Ad IEC 60068-2-2 Category Bd   IEC 60068-2-14 Category Na   Includes hi-temp auto shutoff protection
Weight	9.4 lbs (4.2 kg) (X1S)   10.6 lbs (4.8 kg) (X2S)
Vibration	MIL-STD-810G Method 514.6C, Cat 4
Shock resistance	IEC 60068-2-27 Test Ea   IEC 60068-2-31 Test Ec, Procedure 1
Electromagnetic immunity & emissions	FCC part 15 Subpart B   ICES-003 Issue 4   CISPR22 / EN55022+AC2011   CISPR 24 / EN 55024
EMC Directive (CE Marking)	2004/108/EC   2004/104/EC

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## REPORT **SAMPLES**

The following pages are some examples of reports printed using TickeTrak.

# CARDINAL TRACKING, INC.

1825 LAKEWAY DRIVE SUITE 100  
LEWSVILLE, TX 75057

## \*\* END OF DAY TRANSACTION REPORT \*\*

For: Thursday, November 19, 2015 To: Thursday, November 19, 2015  
Includes Batch Payment

	Ticket	Permit	People	Misc.	Time	** Total **
<b>ADJUSTMENT</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>CASH</b>	14	-	-	-	-	14
Amount	\$222.00	-	-	-	-	\$222.00
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>CHECK</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>CREDIT CARD</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>ID BUCS</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>OTHER</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
OverPay	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>OTHER</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
OverPay	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>PAYROLL</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-

Beginning Receipt: 122096

Ending Receipt: 122109

Print By: CTI



	<u>Ticket</u>	<u>Permit</u>	<u>People</u>	<u>Misc.</u>	<u>Time</u>	<u>** Total **</u>
<b>WIRE TRANSFER</b>						
Amount						
VoidCount						
VoidAmt						
<b>REFUND</b>						
Amount						
VoidCount						
VoidAmt						
<b>OTHER</b>						
Amount						
OverPay						
VoidCount						
VoidAmt						
<b>OTHER</b>						
Amount						
OverPay						
VoidCount						
VoidAmt						
<b>TOTAL</b>	14					14
Amount	\$222.00					\$222.00
OverPay						
VoidCount						
VoidAmt						

# Officer Void Ticket Report

10/01/2014 to 12/02/2015

Print Date: 12/02/2015

Number	Time Issued	Date Issued	Address	Code	Description	Warning
<b>110 BABB,WAYMOND</b>						
140100218	8:19:00 AM	10/20/2014	G	VOID/ZEROC	01	
140300678	8:04:00 AM	10/22/2014	YY	VOID/ZEROC	01	
140901269	7:46:00 AM	10/22/2014	UY	VOID/ZEROC	01	
<b>Total Records: 3</b>						
<b>179 BLEVINS,KELLY</b>						
140200616	3:52:00 PM	10/01/2014	LOT 37A	VOID/ZEROC	01	
<b>Total Records: 1</b>						
<b>122 HALE,RONNIE</b>						
068961	10:16:00 AM	09/19/2001		VOID/ZERO	21 : cti :	
<b>Total Records: 1</b>						
<b>399 JONES,FRITZ</b>						
140200602	11:04:00 AM	09/29/2014	14	VOID/ZEROC	01	
140200614	1:36:00 PM	09/29/2014	37	VOID/ZEROC	01	
140200632	1:51:00 PM	10/08/2014	SHERROD DRIVE	VOID/ZEROC	01	
140300374	8:04:00 AM	09/26/2014	7	VOID/ZEROC	01	
140300461	9:08:00 AM	10/01/2014	21	VOID/ZEROC	01	
140300627	11:01:00 AM	10/15/2014	4	VOID/ZEROC	01	
140300677	8:08:00 AM	10/20/2014	19	VOID/ZEROC	01	
<b>Total Records: 7</b>						
<b>136 LOCKE,SANDRA</b>						
140100113	9:43:00 AM	10/02/2014	LOT35	VOID/ZEROC	01	
140100128	8:16:00 AM	10/03/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140100136	8:56:00 AM	10/03/2014	STOUT DRIVE	VOID/ZEROC	01	
140100194	9:27:00 AM	10/17/2014	SHERROD DRIVE	VOID/ZEROC	01	
140100197	10:08:00 AM	10/17/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140200706	9:08:00 AM	10/24/2014	LOT26	VOID/ZEROC	01	
140200707	9:25:00 AM	10/24/2014	LOT37	VOID/ZEROC	01	
140400331	9:08:00 AM	09/16/2014	LOT35	VOID/ZEROC	01	
140400627	12:00:00 PM	09/26/2014	GYGG	VOID/ZEROC	01	
140400662	1:50:00 PM	10/09/2014	LOT21	VOID/ZEROC	01	
140400674	2:54:00 PM	10/09/2014	P6 P.O.ZONE	VOID/ZEROC	01	
140400683	9:25:00 AM	10/10/2014	YH1 LOAD ZONES	VOID/ZEROC	01	
140400708	9:06:00 AM	10/13/2014	BUC RIDGE M	VOID/ZEROC	01	
140400715	11:27:00 AM	10/13/2014	LOT37	VOID/ZEROC	01	
140400719	11:32:00 AM	10/13/2014	LOT37	VOID/ZEROC	01	
140400732	9:51:00 AM	10/14/2014	GH 1 LOAD ZONES	VOID/ZEROC	01	
140400740	2:25:00 PM	10/14/2014	LOT12	VOID/ZEROC	01	
140400765	10:56:00 AM	10/15/2014	LOT21	VOID/ZEROC	01	
140400819	9:20:00 AM	10/21/2014	ROSS DRIVE	VOID/ZEROC	01	
140400876	1:17:00 PM	10/22/2014	LOT4	VOID/ZEROC	01	

# Officer Void Ticket Report

10/01/2014 to 12/02/2015

Print Date: 12/02/2015

Number	Time Issued	Date Issued	Address	Code	Description	Warning
140700598	2:47:00 PM	09/30/2014	P5 P.O.ZONE	VOID/ZEROC	01	
140700600	8:27:00 AM	10/01/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700601	8:30:00 AM	10/01/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700602	8:33:00 AM	10/01/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700604	8:35:00 AM	10/01/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700612	9:09:00 AM	10/01/2014	LOT37	VOID/ZEROC	01	
140700625	9:51:00 AM	10/01/2014	LOT29	VOID/ZEROC	01	
140700631	1:12:00 PM	10/01/2014	SH LOAD ZONES	VOID/ZEROC	01	
140700632	1:15:00 PM	10/01/2014	SH LOAD ZONES	VOID/ZEROC	01	
140700636	9:04:00 AM	10/06/2014	LOT35	VOID/ZEROC	01	
140700669	8:37:00 AM	10/07/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700670	8:43:00 AM	10/07/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700678	8:56:00 AM	10/07/2014	ROSS DRIVE	VOID/ZEROC	01	
140700683	9:47:00 AM	10/07/2014	SH LOAD ZONES	VOID/ZEROC	01	
140700684	9:50:00 AM	10/07/2014	SH LOAD ZONES	VOID/ZEROC	01	
140700696	10:32:00 AM	10/07/2014	SH LOAD ZONES	VOID/ZEROC	01	
140700711	8:39:00 AM	10/08/2014	ROSS DRIVE	VOID/ZEROC	01	
140700717	9:14:00 AM	10/08/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140700820	1:17:00 PM	10/22/2014	LOT4	VOID/ZEROC	01	

Total Records: 39

170 MOORE,GEFF

140100148	8:22:00 AM	10/09/2014	LOT BB	VOID/ZEROC	01	
140100169	11:04:00 AM	10/09/2014	LOT 35	VOID/ZEROC	01	
140100171	11:07:00 AM	10/09/2014	LOT 35	VOID/ZEROC	01	
140100172	11:08:00 AM	10/09/2014	LOT 35	VOID/ZEROA	kim	
140300707	12:58:00 PM	10/22/2014	LOT 12A	VOID/ZEROC	01	
140300783	1:16:00 PM	10/23/2014	SOUTH DOSSETT EAST	VOID/ZEROC	01	
140400698	12:43:00 PM	10/10/2014	BELLER DRIVE	VOID/ZEROC	01	
140800493	9:25:00 AM	09/30/2014	LOT 12	VOID/ZEROC	01	
140800497	9:54:00 AM	09/30/2014	44444 P.O.ZONE	VOID/ZEROC	01	
140800526	8:57:00 AM	10/01/2014	LOT 12	VOID/ZEROC	01	
140800554	12:40:00 PM	10/01/2014	LOT 7	VOID/ZEROC	01	
140800648	10:52:00 AM	10/06/2014	LOT 35	VOID/ZEROC	01	
140800698	11:32:00 AM	10/07/2014	STOUT DRIVE	VOID/ZEROC	01	
140800760	9:31:00 AM	10/10/2014	LOT 12	VOID/ZEROC	01	
140800831	10:35:00 AM	10/15/2014	BEHIND STOUT HALL	VOID/ZEROC	01	
140800842	11:13:00 AM	10/15/2014	LOT 12	VOID/ZEROC	01	
140800878	10:29:00 AM	10/16/2014	STOUT DRIVE	VOID/ZEROC	01	
140800886	10:57:00 AM	10/16/2014	LOT 12A	VOID/ZEROC	01	

Total Records: 18

191 MURRAY,MICHAEL

140600188	11:39:00 AM	09/29/2014	21 LOT 21	VOID/ZEROC	01	
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# Officer Void Ticket Report

10/01/2014 to 12/02/2015

Print Date: 12/02/2015

Number	Time Issued	Date Issued	Address	Code	Description	Warning
140600200	12:49:00 PM	09/29/2014	12A LOT 12A	VOID/ZEROC	01	
140600207	3:05:00 PM	10/01/2014	NORTH DOSSETT DRIVE	VOID/ZEROC	01	
140600208	3:05:00 PM	10/01/2014	NORTH DOSSETT DRIVE	VOID/ZEROC	01	
140600299	11:32:00 AM	10/02/2014	NORTH DOSSETT DRIVE	VOID/ZEROC	01	
140600301	11:38:00 AM	10/02/2014	20 LOT 20	VOID/ZEROC	01	
140600444	1:55:00 PM	10/07/2014	12A LOT 12A	VOID/ZEROC	01	
140600448	12:14:00 PM	10/20/2014	PARKING GARAGE	VOID/ZEROC	01	
140600486	12:44:00 PM	10/08/2014	12A LOT 12A	VOID/ZEROC	01	
140600545	1:20:00 PM	10/09/2014	12 LOT 12	VOID/ZEROC	01	
140600554	2:28:00 PM	10/09/2014	PARKING GARAGE	VOID/ZEROC	01	
140600598	1:04:00 PM	10/20/2014	12A LOT 12A	VOID/ZEROC	01	
140600626	11:30:00 AM	10/21/2014	12A LOT 12A	VOID/ZEROC	01	
140600632	12:10:00 PM	10/21/2014	32¼ LOAD ZONES LOT32	VOID/ZEROC	01	
140900633	1:49:00 PM	09/05/2014	12A LOT 12A	VOID/ZEROC	01	
140901197	1:16:00 PM	09/29/2014	12A LOT 12A	VOID/ZEROC	01	
140901245	1:27:00 PM	09/30/2014	12A LOT 12A	VOID/ZEROC	01	
140901325	8:51:00 AM	10/23/2014	4 LOT 4	VOID/ZEROC	01	
140901345	11:36:00 AM	10/23/2014	ROSS DRIVE	VOID/ZEROC	01	

Total Records: 19

181	RANDOLPH,JOSH					
140400629	4:06:00 AM	09/27/2014	GILBREATH DRIVE	VOID/ZEROC	01	

Total Records: 1

Grand Total: 89

# WARNING TICKET REPORT

01/01/2014 to 12/02/2015

Print Date: 12/02/2015

Number	Date Issued	Address	Code	Description
399	JONES,FRITZ			
21400001	02/17/2014		MV	WARNING/MOVING VIOLATION
903011392	02/03/2014	2 21	WN	WARNING/PARKING VIOLATION
903011586	02/17/2014	2013 1	WN	WARNING/PARKING VIOLATION
903011587	02/17/2014	2013 1	WN	WARNING/PARKING VIOLATION
903011588	02/17/2014	2013 FOURTH ST	MV	WARNING/MOVING VIOLATION
903011780	02/24/2014	4 0	MV	WARNING/MOVING VIOLATION
903011781	02/24/2014	4 0	MV	WARNING/MOVING VIOLATION
903011963	03/06/2014	2 00	MV	WARNING/MOVING VIOLATION
903011964	03/06/2014	2 00	MV	WARNING/MOVING VIOLATION
903012010	03/18/2014	5 N	WN	WARNING/PARKING VIOLATION
903012015	03/19/2014	2 H	MV	WARNING/MOVING VIOLATION
903012018	03/19/2014	2 J	MV	WARNING/MOVING VIOLATION
903012019	03/19/2014	2 M	MV	WARNING/MOVING VIOLATION
903012020	03/19/2014	2 M	MV	WARNING/MOVING VIOLATION
903012021	03/19/2014	2 K	MV	WARNING/MOVING VIOLATION
903012145	03/25/2014	3 MM	MV	WARNING/MOVING VIOLATION
903012156	03/26/2014		MV	WARNING/MOVING VIOLATION
903012262	04/03/2014		WN	WARNING/PARKING VIOLATION
903012287	04/04/2014		MV	WARNING/MOVING VIOLATION
903012295	04/04/2014	2 PARKING GARAGE	WN	WARNING/PARKING VIOLATION
903012426	04/14/2014	4 J	WN	WARNING/PARKING VIOLATION
903012604	04/22/2014		WN	WARNING/PARKING VIOLATION
903012781	05/20/2014		MV	WARNING/MOVING VIOLATION
903012791	05/23/2014		WN	WARNING/PARKING VIOLATION
903012812	05/29/2014		MV	WARNING/MOVING VIOLATION
903012837	05/30/2014	1 VEST	WN	WARNING/PARKING VIOLATION
903012915	07/01/2014		WN	WARNING/PARKING VIOLATION
903012916	07/01/2014		WN	WARNING/PARKING VIOLATION
903012930	07/11/2014	1 VVVV	MV	WARNING/MOVING VIOLATION

# WARNING TICKET REPORT

01/01/2014 to 12/02/2015

Print Date: 12/02/2015

	Number	Date Issued	Address	Code	Description
	903012938	07/15/2014	1 12 LOT 12	MV	WARNING/MOVING VIOLATION
	<b>Total Records: 30</b>				
191	MURRAY, MICHAEL				
	130502496	02/12/2014		WN	WARNING/PARKING VIOLATION
	130503154	04/01/2014		WN	WARNING/PARKING VIOLATION
	<b>Total Records: 2</b>				
177	TIM, ANDERSON				
	130102519	08/10/2014		WN	WARNING/PARKING VIOLATION
	<b>Total Records: 1</b>				
112	WILLIAMS, RODNEY				
	90612313	02/04/2014		WN	WARNING/PARKING VIOLATION
	<b>Total Records: 1</b>				
	<b>Grand Total: 34</b>				

**CARDINAL TRACKING, INC.**  
 1825 LAKEWAY DRIVE SUITE 100  
 LEWISVILLE TX 75057  
 PHONE: 8002853833

12/02/2015

**DELETED TICKET AUDIT REPORT**

Report date is from 01/01/2012 to 01/31/2015

Date	Time	Ticket ID	Name	Address	License Plate	License State	License Type
11/11/2013	3:22:12	111111111111					
02/13/2012	4:00:00	90418309	ARCHER, CALEN	R1 LOT 37	412SLC	TN	
02/13/2012	3:59:41	90207963	ARCHER, CALEN	LOT9	412SLC	TN	
04/30/2012	9:19:15	903005004		S7 LZONE	B0403L	TN	
02/16/2012	11:56:51	90713807		NORTH DOSSETT WEST	716VDD	TN	
02/13/2012	4:00:11	903006819	ARCHER, CALEN	LOT27	412SLC	TN	
04/23/2013	3:37:16	903009800			412SLC	TN	
05/10/2012	2:05:10	777777777777			XBU4114	VA	
02/13/2012	3:59:32	90112626	ARCHER, CALEN	LOT9	412SLC	TN	
06/05/2012	4:16:34	90117677		3 LAKE STREET	BFY6721	GA	
02/16/2012	8:30:20	90205622		S4 LZONE	LXW403	MS	
04/30/2012	10:17:11	90710927		22A LOT 22A	809NSN	TN	
01/25/2012	4:20:28	903007173		S4 LOT4	513PKN	TN	
03/18/2013	11:48:56	90718232			AD0099	TN	
02/13/2012	3:59:20	90415556	ARCHER, CALEN	LAKE STREET	412SLC	TN	
01/14/2013	3:50:42	90612088			412SLC	TN	
<b>Total deleted by masha : 16</b>							
<b>User - parking01</b>							
02/02/2012	4:10:38	90713453		12 LOT 12	XNZ1218	VA	
05/09/2012	11:27:19	90714545	WHEELER, JOHN	22A LOT 22A	D6092V	TN	
02/01/2012	2:43:26	90510516		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:42:05	90606633		MD JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:43:36	90608273		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:44:10	90609160		R1 JOHN ROBERT BELL DRIVE	1750ATS	GA	
05/04/2012	8:02:46	90712415		15 LOT 15	RYJ6050	NC	
01/19/2012	11:14:20	90713134		4 LOT 4	44449K	VA	
02/01/2012	1:54:27	90713210		12 LOT 12	160PYM	TN	
02/10/2012	2:18:42	90713658		22A LOT 22A	632RGX	TN	
04/05/2012	12:57:05	90714436		6 LOT 6	A6628A	TN	
<b>Total deleted by parking01 : 11</b>							
<b>User - PARKING01</b>							

Date	Time	Ticket ID	Name	Address	License Plate	License State	License Type
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04/11/2012	4:33:01	90714830		POST OFFICE CIRCLE	A6335A	TN	
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Total deleted by PARKING01 :  
1

User - parking01

05/08/2012	3:55:29	90714861		SOUTH DOSSETT WEST	315PRD	TN	
03/22/2012	10:18:42	90114792		LOT 16	B6271T	TN	
02/22/2012	1:20:24	90209625		LOT 4	801WMJ	TN	
04/25/2012	2:54:34	90210411		CHI LOT7	BREEZY	TN	
05/08/2012	2:50:32	90210716		LOT37	756HDM	KY	
03/22/2012	10:18:45	903007106		CH2 LOT26	B6271T	TN	
03/01/2012	9:40:08	903007914		BH LOT7	084MCP	TN	
03/15/2012	10:43:03	90417438	Price, James Anthony	70 LOT 24	83362T	TN	
03/15/2012	10:43:08	90417743		70 SHERROD DRIVE	B3362T	TN	
04/26/2012	3:09:43	90418581		1N JL SEEHORN DRIVE	222QPG	TN	
02/01/2012	1:43:22	90418798		LOT 54	550WQS	TN	
01/27/2012	4:30:02	90418872		CAR DOGWOOD AVE	B7147T	TN	
02/08/2012	10:45:28	90419026		80 DOGWOOD AVE	942BLT	TN	
02/15/2012	10:07:58	90419066		S LOT 55	A1112A	TN	
03/29/2012	2:27:53	90513949		LOT 26	052XW2	TN	
05/04/2012	3:45:30	90513995		VILLAGE LANE	XBC327S	VA	
02/01/2012	2:44:20	90609181		R1 JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	10:07:48	903007397		SH2 LOT9	408RCR	TN	
02/01/2012	2:44:30	90401729		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/02/2012	4:10:30	90713509		12 LOT 12	XNZ1218	VA	
03/09/2012	3:47:53	90713752		54 LOT 54	323RUL	TN	
01/27/2012	2:00:19	90209289		LAKE STREET	B8737T	TN	
04/19/2012	4:22:19	90210366		SHERROD DRIVE	928WQL	TN	
05/03/2012	4:29:38	90115811		1 SERVICE VEHICLES	NVS8160	NC	
03/22/2012	10:20:15	90116156		3 LZONE	B6271T	TN	
04/25/2012	3:57:27	90117117		9 50	789TYL	TN	
05/03/2012	11:50:18	90117264		21	245CSN	TN	
05/03/2012	11:21:21	90210690		LOTS1	310HGN	TN	
05/03/2012	7:45:19	90210703	Rutherford, Natasha M	SOUTH DOSSETT EAST	XJY8711	VA	
02/01/2012	2:43:21	90510515		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:44:00	90511153		HH JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:42:11	90608673		R1 JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:43:31	90608272		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:43:55	90608739		106 JOHN ROBERT BELL DRIVE	1750ATS	GA	
03/28/2012	1:04:39	90611582		VILLAGE LANE	305CHQ	TN	
04/11/2012	11:45:47	90611610		LAKE STREET	ET1313	TN	
04/26/2012	4:08:45	90611685		VILLAGE LANE	A4259C	TN	
04/20/2012	12:56:49	90611704		BISHOP CIRGLE	D3538H	TN	
01/27/2012	4:02:50	90712555		DOGWOOD AVE	B7147T	TN	
01/18/2012	4:21:45	90713070		15A LOT 15A	B6574T	TN	
04/04/2012	4:21:07	90714676		11 LOT 11	173CKN	TN	



Date	Time	Ticket ID	Name	Address	License Plate	License State	License Type
05/04/2012	11:11:09	90715085		15 LOT 15	WPC3629	NC	
02/02/2012	3:21:04	90115005		2 LOT4	090WTH	TN	
01/26/2012	12:59:46	90115071		22	657HFV	TN	
01/27/2012	3:40:31	90115134		POWELL	898RRR	CO	
02/08/2012	10:30:09	90115152		4 LOT22	311NYP	TN	
04/20/2012	12:57:01	90117018		8 9	018WZS	TN	
02/01/2012	2:44:25	90401536		JOHN ROBERT BELL DRIVE	1750ATS	GA	
01/27/2012	2:36:55	90209886		LOT 7	AFH1445	NC	
03/22/2012	8:04:47	90209886		LAKE STREET	XDUJ7034	VA	
01/27/2012	4:29:39	90418864		ROSS DRIVE	794RYF	TN	
02/01/2012	2:44:05	90511154		HH JOHN ROBERT BELL DRIVE	1750ATS	GA	
03/27/2012	3:55:07	90514005					
02/01/2012	2:42:00	90606567					
02/01/2012	2:42:16	90606879		103 JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:42:22	90607239		98 JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:42:27	90607240		106 JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:43:42	90608738		106 JOHN ROBERT BELL DRIVE	1750ATS	GA	
03/22/2012	10:18:26	90114495		ROSS DRIVE SAM WILSON	1750ATS	GA	
02/02/2012	3:11:40	90114956		8 LOT19	B6271T	TN	
02/01/2012	2:42:33	90123011		103 JOHN ROBERT BELL DRIVE	060TKG	TN	
02/01/2012	2:42:37	90123012		103 JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:42:42	90123276		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/01/2012	2:43:09	90123277		JOHN ROBERT BELL DRIVE	1750ATS	GA	
02/24/2012	9:25:26	90203861		LOT12A	896NVH	GA	

Total deleted by parking01 : 65

# Officer Ticket Report

09/11/2015 to 12/02/2015

Print Date: 12/02/2015

Number	Time Issued	Date Issued	Address	Code	Description	Fine	Warning
110	BABB,WAYMOND						
150100100	4:32:00 PM	09/11/2015	1 LOT 1	FS	FACULTY/STAFF RESERVE	\$20.00	
150177770	2:59:00 PM	09/22/2015	1 LOT 1	FS	FACULTY/STAFF RESERVE	\$20.00	
150177771	8:22:00 AM	09/25/2015	12 LOT 12	FS	FACULTY/STAFF RESERVE	\$20.00	
150177772	8:33:00 AM	09/25/2015	1 LOT 1	YP	PARKED IN YELLOW ZONE	\$20.00	
150177773	1:53:00 PM	09/25/2015	1 LOT 1	FS	FACULTY/STAFF RESERVE	\$20.00	
150177774	1:45:00 PM	10/21/2015	1 LOT 1	FS	FACULTY/STAFF RESERVE	\$20.00	
1D	4:21:00 PM	09/11/2015	12 LOT 12	FS	FACULTY/STAFF RESERVE	\$20.00	
<b>Tickets:</b>	<b>7</b>	<b>Violations:</b>	<b>7</b>		<b>Fines:</b>	<b>\$140.00</b>	
<b>Total Tickets:</b>	<b>7</b>	<b>Total Violations:</b>	<b>7</b>		<b>Total Fines:</b>	<b>\$140.00</b>	

# CARDINAL TRACKING, INC.

12/02/2015 11:00

1825 LAKEWAY DRIVE SUITE 100  
LEWSVILLE TX 75057  
PHONE: 8002853833

## BANKRUPTCY REPORT

Name:	Ticket Number	Amt Paid	Amount Due	Status
<b>CASE NO: 12346</b>				
KUBENKA, JAREK W	90605548	0	\$20.00	OPEN
KUBENKA, JAREK W	TEST004	0	\$10.00	OPEN
<b>Total Cases: 12346 = 2</b>		<b>\$0.00</b>	<b>\$30.00</b>	
<b>CASE NO: 22234</b>				
LOGAN, JO LYNN TARLTON L	068961	\$20.00	\$20.00	OPEN
LOGAN, JO LYNN TARLTON L	088205	\$20.00	\$0.00	OPEN
LOGAN, JO LYNN TARLTON L	83392	\$20.00	\$0.00	OPEN
<b>Total Cases: 22234 = 3</b>		<b>\$60.00</b>	<b>\$20.00</b>	

# CARDINAL TRACKING, INC.

PARKING SERVICES  
WILLIAMSBURG, VA 231878795

## \*\* END OF DAY TRANSACTION REPORT \*\*

For: Tuesday, January 01, 2013 To: Tuesday, December 31, 2013  
Includes Batch Payment/Permit Renew Payment

	Ticket	Permit	People	Misc.	Time	** Total **
<b>ADJUSTMENT</b>	2	1	-	-	-	3
Amount	\$12.00	\$302.00	-	-	-	\$314.00
VoidCount	7	2	-	2	-	11
VoidAmt	\$357.00	\$341.00	-	\$30.00	-	\$728.00
<b>CASH</b>	1,243	488	-	1,413	-	3,144
Amount	\$31,589.83	\$35,997.46	-	\$10,310.30	-	\$77,897.59
VoidCount	9	7	-	20	-	36
VoidAmt	\$361.00	\$1,191.00	-	\$217.00	-	\$1,769.00
<b>CHECK</b>	853	872	-	108	-	1,833
Amount	\$47,403.50	\$221,048.04	-	\$23,241.84	-	\$291,693.38
VoidCount	9	18	-	2	-	29
VoidAmt	\$200.00	\$4,559.25	-	\$201.00	-	\$4,960.25
<b>CREDIT CARD</b>	3,309	2,766	-	1,186	-	7,261
Amount	\$150,376.58	\$724,833.91	-	\$19,302.38	-	\$894,512.87
VoidCount	20	45	-	25	-	90
VoidAmt	\$1,102.00	\$13,084.00	-	\$179.00	-	\$14,365.00
<b>F/S PAYROLL COLLECT</b>	4	7	-	-	-	11
Amount	\$271.00	\$1,574.00	-	-	-	\$1,845.00
VoidCount	-	46	-	-	-	46
VoidAmt	-	\$13,376.00	-	-	-	\$13,376.00
<b>JOURNAL VOUCHER</b>	-	1	-	-	-	1
Amount	-	\$7.00	-	-	-	\$7.00
VoidCount	-	1	-	-	-	1
VoidAmt	-	\$7.00	-	-	-	\$7.00
<b>OUTSIDE PAYMENT</b>	13	-	-	-	-	13
Amount	\$915.00	-	-	-	-	\$915.00
VoidCount	-	6	-	-	-	6
VoidAmt	-	\$42.00	-	-	-	\$42.00
<b>PAYROLL</b>	-	1,953	-	1	-	1,954
Amount	-	\$601,664.89	-	\$2.00	-	\$601,666.89
VoidCount	-	29	-	-	-	29
VoidAmt	-	\$7,383.00	-	-	-	\$7,383.00

Beginning Receipt: 171823

Ending Receipt: 188395

Print By: CTI

	Ticket	Permit	People	Misc.	Time	** Total **
<b>STUDENT ACCOUNTS</b>	6	-	-	-	-	6
Amount	\$362.00	-	-	-	-	\$362.00
VoidCount	-	1	-	-	-	1
VoidAmt	-	\$470.00	-	-	-	\$470.00
<b>W&amp;M EXPRESS</b>	137	75	-	32	-	244
Amount	\$4,683.66	\$20,773.86	-	\$410.50	-	\$25,868.02
VoidCount	-	1	-	15	-	16
VoidAmt	-	\$330.00	-	\$75.00	-	\$405.00
<b>REFUND</b>	-	-	11	-	-	11
Amount	-	-	\$380.00	-	-	\$380.00
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>OTHER</b>	-	-	-	-	-	-
Amount	-	-	-	-	-	-
OverPay	-	-	-	-	-	-
VoidCount	-	-	-	-	-	-
VoidAmt	-	-	-	-	-	-
<b>TOTAL</b>	5,567	6,163	11	2,740	-	14,481
Amount	\$235,613.57	\$1,606,201.16	\$380.00	\$53,267.02	-	\$1,895,461.75
OverPay	-	-	-	-	-	-
VoidCount	45	156	-	64	-	265
VoidAmt	\$2,020.00	\$40,783.25	-	\$702.00	-	\$43,505.25

# Appeal List - Order by Number

CARDINAL TRACKING, INC.

STATUS: OPEN & ACCEPTED & DENIED - APPEAL CODE: 01 - APPEAL DATE: (01/01/2014 - 12/31/2015)

Number	Appeal Code	Appeal Date	Clerk	Status	Closed Date	Name	License Plate/State	Violation(s)	Location	Officer
130503471	01	10/23/2015	CTI	OPEN			D7230V, TN	MP	BEHIND BROOKS GYM	191
13090001	01	11/10/2015	CTI	OPEN			XRAY002, TX	DS	N.DALLAS PKWY	CTI
140200434	01	07/28/2015	CTI	OPEN			DV81Z7, TN	ND	19	399
140200457	01	07/28/2015	CTI	OPEN		SMITH, A	DV81Z7,	ND	19	399
Total Printed: 4										

# Appeal Detail - Order by Number

CARDINAL TRACKING, INC.

STATUS: OPEN & ACCEPTED & DENIED - ACCOUNT ID: 99226 - NAME: Smith, Aaron Michael

Number	Appeal Code	Appeal Date	Clerk	Status	Closed Date	Name	License Plate/State	Violation(s)	Location	Officer
140200457	01	07/28/2015	CTI	OPEN		SMITH, A	DV81Z7,	ND	19	399

Total Printed: 1

**CARDINAL TRACKING, INC.**

1825 LAKEWAY DRIVE SUITE 100

LEWSVILLE, TX 75057

Phone: (800)285-3833

**Returned Check Report**

Clerk	Number	Issue Date	Account ID	Full Name	Amount	Reason	Return Date
CTI	TEST002	12/02/2015	99226	Smith, Aaron Michael	\$10.00		12/02/2015

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Total Records: 0

Total: \$10.00



# CARDINAL TRACKING, INC.

1825 LAKEWAY DRIVE SUITE 100  
LEWSVILLE, TX 75057

## AGED ACCOUNTS RECEIVABLE REPORT

Server:SUPPORT9

Database:ETSU\_10272014

	Ticket	Permit	People	** Total **
<b>0 - 30 Days (12/02/2015 - 11/02/2015)</b>				
Activity Count*	1	0	0	1
Dollar Value	\$20.00	\$0.00	\$0.00	\$20.00
Percentage	0.06%	0%	0%	
<b>31 - 60 Days (11/01/2015 - 10/03/2015)</b>				
Activity Count*	1	0	0	1
Dollar Value	\$20.00	\$0.00	\$0.00	\$20.00
Percentage	0.06%	0%	0%	
<b>61 - 120 Days (10/02/2015 - 08/04/2015)</b>				
Activity Count*	6	0	0	6
Dollar Value	\$120.00	\$0.00	\$0.00	\$120.00
Percentage	0.37%	0%	0%	
<b>121 - 365 Days (08/03/2015 - 12/02/2014)</b>				
Activity Count*	1,216	1	1	1,218
Dollar Value	\$32,560.00	\$5.00	\$5.00	\$32,570.00
Percentage	99.51%	100.00%	100.00%	
<b>TOTAL</b>				
Activity Count*	1,224	1	1	
Dollar Value	\$32,720.00	\$5.00	\$5.00	

\* The Activity Count is a count of individual Fines or Fees and not a count of Tickets or Permits.

# RECEIVABLE ACTIVITY

From: 08/01/2011 To: 11/21/2011 Cut off Date: 06/01/2009

Printed By:

Date Used: Transact\_Date

Printed at: 12/02/2015 9:05:19 AM

	Count	Dollar Amount
<b>Beginning Balance as of 07/31/2011</b>		<b>\$193,568.00</b>

**DEBITS:**

Tickets Issued	11309	\$268,485.00
Late Fees Added:	0	\$.00
Other Fees Added:	0	\$.00
Payments Voided:	14	\$364.80
Permits Issued:	473	\$21,525.00
Permits Returned:	0	( \$.00 )
Misc Issued:	0	\$.00
Excess Money:	0	( \$.00 )
Person Fees Issued:	0	\$.00
Return Checks:	0	\$.00
<b>Subtotal Debits:</b>	<b>11796</b>	<b>\$290,374.80</b>

**CREDITS:**

Ticket Payments:	762	\$13,679.80
Tickets Adjusted:	78	\$1,560.00
Tickets Voided:	1570	\$50,390.00
Encumbrance:	4767	\$94,045.00
Late Fees Payments:	0	\$.00
Late Fees Adjusted:	0	\$.00
Permits Payments:	388	\$17,740.00
Permits Adjusted	3	\$125.00
Other Fee Payments:	73	\$3,250.00
Other Fee Adjusted:	4	\$150.00
Misc Payments:	0	\$.00
Person Fees Payments:	0	\$.00
Refunds:	0	( \$.00 )
<b>Subtotal Credits:</b>	<b>7645</b>	<b>\$180,939.80</b>

**TOTALS:**

Total Monetary Payments:	1223	\$34,669.80
Non Monetary:	6422	\$146,270.00

<b>Ending Balance:</b>		<b>\$303,003.00</b>
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# Cash Drawer Amount Report

Run Time: 12/02/2015 08:55

Clerk ID:	CTI
Drawer ID:	01
Date:	12/02/2015

Bills	Number	Amount
Hundreds	0	\$0.00
Fiftys	0	\$0.00
Twentys	2	\$40.00
Tens	2	\$20.00
Fives	2	\$10.00
Twos	0	\$0.00
Ones	20	\$20.00
<b>Sub Total</b>		<b>\$90.00</b>

Coins	Number	Amount
Dollars	0	\$0.00
Half Dollars	0	\$0.00
Quarters	40	\$10.00
Dimes	0	\$0.00
Nickles	0	\$0.00
Pennies	0	\$0.00
<b>Sub Total</b>		<b>\$10.00</b>

**Cash Total** **\$100.00**

Payment Type	Amount
Beg. Bal.	\$100.00
<b>Drawer Total</b>	<b>\$100.00</b>

Notes:

**CARDINAL TRACKING, INC.**

1825 LAKEWAY DRIVE SUITE 100

LEWSVILLE, TX 75057

Phone: (800)285-3833

**Write Off Summary**

Clerk	Receipt Number	Ticket Number	Issue Date	Status	Write Off Amount
CTI	122111	TEST003	12/03/2014	5	\$20.00

Total Records: 1

Total: \$20.00

**CARDINAL TRACKING, INC.**

1825 LAKEWAY DRIVE SUITE 100  
LEWISVILLE, TX 75057

**AGED ACCOUNTS RECEIVABLE REPORT - DETAIL (PERMIT)**

Server: SUPP0RT9

Database: ETSU\_10272014

Number	Description	Activity Date	Plate/State	0 - 30	31 - 60	61 - 120	121 - 365													
L82632	SEATBELT VIOLATION	12/19/2014					\$5.00													

**CARDINAL TRACKING, INC.**

1825 LAKEWAY DRIVE SUITE 100  
LEWISVILLE, TX 75057

**AGED ACCOUNTS RECEIVABLE REPORT - DETAIL (PEOPLE)**

Server: SUPPORT9

Database: ETSU\_10272014

Number	Description	Activity Date	Plate/State	0 - 30	31 - 60	61 - 120	121 - 365													
PERSON FEE	SEATBELT VIOLATION	12/19/2014					\$5.00													

TICKETS ISSUED NOV.

09/30/2016 16:05

Number	Code	Description	Amount Due
2102201276	20	OVERTIME PARKING	\$25.00
2102201297	13	NO PARKING TOW AWAY ZONE	\$50.00
2102201304	32	RESERVE PARKING	\$50.00
2104404542	20	OVERTIME PARKING	\$100.00
2104404545	20	OVERTIME PARKING	\$100.00
2104404550	04	EXPIRED PERMIT	\$25.00
2104404554	20	OVERTIME PARKING	\$100.00
2104404556	23	PARKED FACING FLOW OF TRAFFIC	\$25.00
2107702718	20	OVERTIME PARKING	\$100.00
2102201677	04	EXPIRED PERMIT	\$50.00
2102201680	20	OVERTIME PARKING	\$100.00
2102201543	20	OVERTIME PARKING	\$100.00
2102201546	20	OVERTIME PARKING	\$25.00

Number	Code	Description	Amount Due
2102201400	20	OVERTIME PARKING	\$100.00
2102201401	20	OVERTIME PARKING	\$100.00
2102201407	04	EXPIRED PERMIT	\$25.00
2102201449	28	PARKED IN WRONG ZONE	\$25.00
2104404648	08	IMPROPER DISPLAY OF PERMIT	\$25.00
2107702471	04	EXPIRED PERMIT	\$25.00
2107702492	20	OVERTIME PARKING	\$100.00
2108801559	04	EXPIRED PERMIT	\$25.00
2107702507	18	OVERTIME METER	\$25.00
2108801572	04	EXPIRED PERMIT	\$50.00
2108801574	20	OVERTIME PARKING	\$100.00
2107702522	18	OVERTIME METER	\$25.00
2108801585	20	OVERTIME PARKING	\$100.00
2108801591	04	EXPIRED PERMIT	\$25.00
2108801604	20	OVERTIME PARKING	\$100.00



Number	Code	Description	Amount Due
2102201475	28	PARKED IN WRONG ZONE	\$25.00
2102201476	08	IMPROPER DISPLAY OF PERMIT	\$25.00
2102201487	04	EXPIRED PERMIT	\$25.00
2102201506	20	OVERTIME PARKING	\$100.00
2102201513	04	EXPIRED PERMIT	\$25.00
2102201518	20	OVERTIME PARKING	\$100.00
2102201525	20	OVERTIME PARKING	\$100.00
2102201527	20	OVERTIME PARKING	\$100.00
2102201533	04	EXPIRED PERMIT	\$25.00
2102201618	20	OVERTIME PARKING	\$25.00
2102201621	20	OVERTIME PARKING	\$100.00
2102201627	04	EXPIRED PERMIT	\$25.00
2107702563	18	OVERTIME METER	\$25.00
2102201390	20	OVERTIME PARKING	\$100.00
2107702565	18	OVERTIME METER	\$25.00

Number	Code	Description	Amount Due
2104404661	20	OVERTIME PARKING	\$100.00
2104404664	04	EXPIRED PERMIT	\$25.00
2104404673	20	OVERTIME PARKING	\$100.00
2108801625	04	EXPIRED PERMIT	\$25.00
2108801629	04	EXPIRED PERMIT	\$25.00
2108801635	20	OVERTIME PARKING	\$100.00
2108801650	04	EXPIRED PERMIT	\$25.00
2108801651	04	EXPIRED PERMIT	\$25.00
2104404686	28	PARKED IN WRONG ZONE	\$25.00
2104404702	20	OVERTIME PARKING	\$100.00
2105503324	18	OVERTIME METER	\$25.00
2107702591	04	EXPIRED PERMIT	\$25.00
2107702593	20	OVERTIME PARKING	\$100.00
2102201632	20	OVERTIME PARKING	\$100.00
2102201635	18	OVERTIME METER	\$25.00
2105503340	04	EXPIRED PERMIT	\$50.00

Number	Code	Description	Amount Due
2108801706	20	OVERTIME PARKING	\$100.00
2102201587	20	OVERTIME PARKING	\$100.00
2102201597	04	EXPIRED PERMIT	\$25.00
2102201604	20	OVERTIME PARKING	\$100.00
2102201608	20	OVERTIME PARKING	\$100.00
2104404731	04	EXPIRED PERMIT	\$25.00
2104404737	32	RESERVE PARKING	\$50.00
2104404617	20	OVERTIME PARKING	\$100.00
2107702538	04	EXPIRED PERMIT	\$50.00
2107702559	18	OVERTIME METER	\$50.00
2107702562	18	OVERTIME METER	\$25.00
2102201611	04	EXPIRED PERMIT	\$25.00
2107702667	20	OVERTIME PARKING	\$100.00
2102201379	20	OVERTIME PARKING	\$100.00
2104404582	20	OVERTIME PARKING	\$100.00

Number	Code	Description	Amount Due
2105503260	20	OVERTIME PARKING	\$100.00

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**Total Printed: 75**

**Total Amount: 4,550.00**

# CARDINAL TRACKING, INC.

PARKING MANAGEMENT  
LEWISVILLE, TX 75057  
Phone: (888)634-7181

## Transaction Listing from 11/01/2012 to 11/30/2012

Includes Batch Payment/Permit Renew Payment

Trans Date	Trans Time	Receipt Number	Tran Type	ID	Number	Ref#/Check#	Clerk	Pay Type	Amount	Void
11/01/2012	9:45	91090	CT	723787	2102200890	5406530005317974	BGP	MC	25.00	N
11/01/2012	11:22	91091	CT	386236	01852	CASH	BGP	CA	50.00	N
11/01/2012	16:22	91092	DE	310665	FS02202		SLH	F/S PRD	55.00	N
11/04/2012	8:32	91093	DE	313177	FS02203		SLH	CA	15.00	N
11/04/2012	11:49	91094	DE	XXXXX8843	FS02204		SLH	CA	15.00	N
11/04/2012	13:13	91095	CT	496421	2102200941	CASH	BGP	CA	25.00	N
11/05/2012	9:11	91096	DE	732253	FS02205		SLH	F/S PRD	15.00	N
11/05/2012	9:55	91097	CT	700175	2102200434	6784	SLH	VI	25.00	N
11/05/2012	10:29	91098	DE	787049	FS02101	CASH	BGP	CA	15.00	N
11/06/2012	10:05	91099	DE	551990	STP22359		SLH	SA	10.00	N
11/06/2012	10:07	91100	DE	593230	C13866		SLH	SA	35.00	N
11/06/2012	10:09	91101	DE	853759	C13862		SLH	SA	35.00	N
11/06/2012	10:38	91102	DE	207772	VC1149		SLH	SA	20.00	N
11/06/2012	11:45	91103	DE	734164	STP09036		SLH	SA	10.00	N
11/06/2012	14:26	91104	DE		R19015		BGP	II	35.00	N
11/06/2012	14:26	91104	DE		R19014		BGP	II	35.00	N
11/06/2012	14:26	91104	DE		R19013		BGP	II	35.00	N
11/06/2012	14:26	91104	DE		R19012		BGP	II	35.00	N
11/08/2012	10:52	91105	CT	718844	PD14233	6206	SLH	VI	50.00	N
11/08/2012	15:53	91106	CT	306922	2105502548	7112	SLH	CK	50.00	N
11/08/2012	15:55	91107	CT	306922	2105502548		SLH	AD	50.00	N
11/11/2012	11:10	91108	CT	593868	2105503155	APPEALS	SLH	AD	12.50	N
11/12/2012	10:29	91109	DE	349968	FS02206	3752	SLH	MC	15.00	N
11/12/2012	14:27	91110	DE		FS02102	4491632000624336	BGP	VI	15.00	N
11/13/2012	9:37	91112	DE	350822354	FS02207		SLH	CA	15.00	N
11/14/2012	9:17	91113	DE	150664	FS02103		BGP	CA	15.00	N
11/14/2012	11:01	91114	CT	497426	PD14232		SLH	CA	50.00	N
11/14/2012	12:18	91115	DE	552768	HCFS03223	3130	SLH	MC	15.00	N
11/14/2012	13:22	91116	DE		FS02104	CASH	BGP	CA	15.00	N
11/15/2012	13:46	91117	DE	148567	FS02208	2036	MAS	CK	15.00	N
11/15/2012	16:55	91118	DE	XXXXX2552	FS02210		SLH	CA	15.00	N
11/19/2012	9:22	91119	CT	662174	PD14231		SLH	VI	50.00	N
11/19/2012	10:41	91120	DE	470039	FS02106	4271783815156836	BGP	VI	15.00	N
11/19/2012	11:35	91121	DE		FS02107	5401683025833374	BGP	VI	15.00	N
11/19/2012	12:55	91122	CT	442358	2104403926		SLH	CA	25.00	N
11/19/2012	12:55	91122	CT	442358	2107702031		SLH	CA	50.00	N
11/19/2012	13:16	91123	DE	126584	FS02211		SLH	CA	15.00	N
11/19/2012	15:00	91124	DE	667886	FS02110		BGP	CA	15.00	N
11/19/2012	16:55	91125	DE	167593	FS02212	2554	SLH	CK	15.00	N
11/20/2012	9:14	91126	DE	666873	FS02213		SLH	CA	15.00	N

Trans Date	Trans Time	Receipt Number	Tran Type	ID	Number	Ref#/Check#	Clerk	Pay Type	Amount	Void
11/20/2012	10:31	91127	DE	790947	FS02214		SLH	CA	15.00	N
11/20/2012	10:37	91128	DE	199307	FS02111	4147341020910497	BGP	VI	15.00	N
11/20/2012	11:29	91129	DE	647118	STP22370		BGP	SA	20.00	N
11/20/2012	11:49	91130	CT	602250	2108801612	4627891500069510	BGP	VI	25.00	N
11/20/2012	12:06	91131	DE	640796	FS02216	0543	SLH	MC	15.00	N
11/20/2012	12:33	91132	CT	530213	210TOW0758	194	SLH	CK	70.00	N
11/20/2012	12:33	91132	CT	530213	2102201320	194	SLH	CK	50.00	N
11/20/2012	13:34	91133	DE	364867	FS02112		BGP	CA	15.00	N
11/20/2012	14:18	91134	CT	818971	2107702523		BGP	CA	25.00	N
11/20/2012	15:09	91135	DE	688748	FS02113	4668018187160715	BGP	VI	15.00	N
11/20/2012	15:17	91136	DE	829195	FS02218	5676	SLH	VI	15.00	N
11/20/2012	15:31	91137	DE	593779	FS02114	4765460004339696	BGP	VI	15.00	N
11/20/2012	16:03	91138	DE	139478	FS02115		BGP	CA	15.00	N
11/21/2012	9:00	91139	DE		FS02116		BGP	CA	15.00	N
11/21/2012	9:01	91140	DE		FS02117	CK#12199	BGP	CK	15.00	N
11/21/2012	9:04	91141	DE	826962	R19016		SLH	SA	35.00	N
11/21/2012	9:17	91142	DE	779730	R19021		SLH	SA	35.00	N
11/21/2012	10:32	91143	CT	827829	210TOW0759	5406530013019620	BGP	MC	70.00	N
11/21/2012	10:32	91143	CT	827829	2102201372	5406530013019620	BGP	MC	50.00	N
11/21/2012	11:13	91144	DE	XXXXX8440	FS02118		SLH	CA	15.00	N
11/21/2012	13:31	91145	DE	707941	FS02220	707941	SLH	MC	15.00	N
11/21/2012	15:39	91146	DE	300826	FS02221	3608	SLH	CK	15.00	N
11/21/2012	16:28	91147	DE	660380	FS02222		SLH	CA	15.00	N
11/22/2012	8:02	91148	DE		FS02119		BGP	CA	15.00	N
11/22/2012	8:06	91149	DE	812570	FS02120		BGP	CA	15.00	N
11/22/2012	9:21	91150	DE	338038	FSTP07831	4765460010352535	BGP	VI	15.00	N
11/22/2012	10:19	91151	CT	718351	2107702576	5461398000166404	BGP	MC	50.00	N
11/22/2012	10:50	91152	DE	XXXXX9656	FS02223		SLH	CA	15.00	N
11/25/2012	8:28	91153	DE	414263	FS02121	CK#743	BGP	CK	15.00	N
11/25/2012	8:30	91154	DE	822822	F19307		SLH	CA	15.00	N
11/25/2012	8:52	91155	DE	365444	FS02122		BGP	CA	15.00	N
11/25/2012	10:25	91156	DE	724770	FS02123	CK#1274	BGP	CK	15.00	N
11/25/2012	11:17	91157	DE	149965	FS02224	9387	SLH	MC	15.00	N
11/25/2012	11:50	91158	DE	554491	FS02225	6119	SLH	VI	15.00	N
11/25/2012	13:15	91159	DE	726494	FS02226	8672	SLH	VI	15.00	N
11/25/2012	16:03	91160	CT	657246	2108801168	CK#324	BGP	CK	100.00	N
11/25/2012	16:03	91160	CT	657246	2108801191	CK#324	BGP	CK	100.00	N
11/25/2012	16:03	91160	CT	657246	2107702301	CK#324	BGP	CK	100.00	N
11/25/2012	16:03	91160	CT	657246	210BOOT377	CK#324	BGP	CK	70.00	N
11/25/2012	16:03	91160	CT	657246	2107702621	CK#324	BGP	CK	130.00	N
11/25/2012	16:05	91161	CT	657246	2107702621	4668018185894059	BGP	VI	70.00	N
11/25/2012	16:12	91162	DE		MC20708		BGP	II	5.00	N
11/25/2012	16:12	91162	DE		R18878		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18879		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18880		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18881		BGP	II	20.00	N

Trans Date	Trans Time	Receipt Number	Tran Type	ID	Number	Ref#/Check#	Clerk	Pay Type	Amount	Void
11/25/2012	16:12	91162	DE		R18882		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18883		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18884		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18885		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18886		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18888		BGP	II	20.00	N
11/25/2012	16:12	91162	DE		R18889		BGP	II	20.00	N
11/26/2012	8:23	91163	DE		FSTP07832	4271783263210481	BGP	VI	15.00	N
11/26/2012	10:05	91164	DE	310026	FS02227	736	SLH	CK	15.00	N
11/26/2012	10:11	91165	CT		2104404605		SLH	CA	100.00	N
11/26/2012	12:47	91166	CT	482153	2104404693		SLH	CA	50.00	N
11/26/2012	15:13	91167	DE	197453	FS02228	3925	SLH	VI	15.00	N
11/26/2012	16:23	91168	DE		FS02124	4412810010465231	BGP	VI	15.00	N
11/27/2012	9:01	91169	DE		FS02125		BGP	CA	15.00	N
11/27/2012	9:49	91170	DE	819401	FS02126		BGP	CA	15.00	N
11/27/2012	10:19	91171	CT	472741	2107702486	4828670012598035	BGP	VI	25.00	N
11/27/2012	12:15	91172	CT	180183	2107702601	CK#1073	BGP	CK	25.00	N
11/27/2012	12:15	91172	CT	180183	210BOOT384	CK#1073	BGP	CK	70.00	N
11/27/2012	12:15	91172	CT	180183	2107702665	CK#1073	BGP	CK	50.00	N
11/27/2012	12:54	91173	DE	843186	FS02229	5154781209085735	MAS	MC	15.00	N
11/27/2012	15:26	91174	DE	448069	FS02129	4157151000186977	BGP	VI	15.00	N
11/28/2012	8:04	91175	DE	180183	FS02130	CK#1074	BGP	CK	15.00	N
11/28/2012	13:37	91176	CT	629464	210TOW0780	4765460010156324	BGP	VI	70.00	N
11/28/2012	13:52	91177	DE	362334	FS02132	CASH	BGP	CA	15.00	N
11/29/2012	15:39	91178	CT	732188	210TOW0772	4403190017564877	BGP	VI	70.00	N
11/29/2012	15:39	91178	CT	732188	2104404723	4403190017564877	BGP	VI	50.00	N
11/29/2012	15:49	91179	DE	855168	FS02133		BGP	CA	15.00	N
04/12/2015	14:23	94264	CT	304153	2111100547	1569	SLH	CK	200.00	Y
04/12/2015	14:23	94264	DE	304153	FS76573	1569	SLH	CK	81.00	Y
04/29/2015	14:45	94301	CT	304153	2111100547	MONEY ORDER	KPHILLI PS	CA	200.00	Y
04/29/2015	14:45	94301	DE	304153	FS76573	MONEY ORDER	KPHILLI PS	CA	81.00	Y

Grand Total(with Void and Refund)

3,874.50

Void Total

562.00

RefundTotal

0.00

Net Total(without Void and Refund)

3,312.50

Total Listed: 117

## Issued Ticket Report

09/06/2016 To 09/16/2016

### 32ND AVE

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
800031	9/12/2016	09:58	32ND AVE	12300MD	\$50.00	S12	N	N
EXPIRED DECAL 50								
DB123	9/15/2016	11:44	32ND AVE	TKM580	\$0.00	S10	N	N
WARNING SEE COMMENT								
BLOCKING FIRE HYDRANT 150								
12TESTLINK	9/16/2016	12:33	32ND AVE	126305	\$100.00	T6	N	N
NO DISPLAY OF DECAL 100								
<b>Totals:</b>		Tickets	Violations	Amount	Warnings	Voids		
		3	4	\$300.00	0	0		

### 3D ART STUDIO EAST LOT

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
555556	9/6/2016	14:46	3D ART STUDIO EAST LOT	HNZ044	\$300.00	S2	N	N
BLOCKING FIRE HYDRANT 300								
HANDICAPPED CURBCUT 500								
<b>Totals:</b>		Tickets	Violations	Amount	Warnings	Voids		
		1	2	\$800.00	0	0		

### MAIN

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB124	9/14/2016	10:55	MAIN	TKM580	\$300.00	S10	Y	N
BLOCKING FIRE HYDRANT 300								
<b>Totals:</b>		Tickets	Violations	Amount	Warnings	Voids		
		1	1	\$300.00	1	0		

### MARSH HALL/ART GALLERY

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
9062016A	9/6/2016	08:15	MARSH HALL/ART GALLERY	ABC123	\$50.00	T6	N	N
EXPIRED DECAL 50								
BLOCKING FIRE HYDRANT 300								



**MARSH HALL/ART GALLERY**

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
<b>Totals:</b>		Tickets	Violations	Amount		Warnings		Voids
		1	2	\$350.00		0		0

<b>Grand Totals:</b>	Tickets	Violations	Amount	Warnings	Voids
	6	9	\$1,750.00	1	0

## Issued Ticket Report

09/06/2016 To 09/16/2016

### 09/06/2016

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
9062016A	9/6/2016	08:15	MARSH HALL/ART GALLERY	ABC123	\$50.00	T6	N	N
EXPIRED DECAL 50								
BLOCKING FIRE HYDRANT 300								
555556	9/6/2016	14:46	3D ART STUDIO EAST LOT	HNZ044	\$300.00	S2	N	N
BLOCKING FIRE HYDRANT 300								
HANDICAPPED CURBCUT 500								

<b>Totals:</b>	Tickets	Violations	Amount	Warnings	Voids
	2	4	\$1,150.00	0	0

### 09/12/2016

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
800031	9/12/2016	09:58	32ND AVE	12300MD	\$50.00	S12	N	N
EXPIRED DECAL 50								

<b>Totals:</b>	Tickets	Violations	Amount	Warnings	Voids
	1	1	\$50.00	0	0

### 09/14/2016

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB124	9/14/2016	10:55	MAIN	TKM580	\$300.00	S10	Y	N
BLOCKING FIRE HYDRANT 300								

<b>Totals:</b>	Tickets	Violations	Amount	Warnings	Voids
	1	1	\$300.00	1	0

### 09/15/2016

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB123	9/15/2016	11:44	32ND AVE	TKM580	\$0.00	S10	N	N
WARNING SEE COMMENT								
BLOCKING FIRE HYDRANT 150								

<b>Totals:</b>	Tickets	Violations	Amount	Warnings	Voids
	1	2	\$150.00	0	0

09/16/2016

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
12TESTLINK	9/16/2016	12:33	32ND AVE	126305	\$100.00	T6	N	N

NO DISPLAY OF DECAL 100

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	1	\$100.00	0	0

Grand Totals:	Tickets	Violations	Amount	Warnings	Voids
	6	9	\$1,750.00	1	0

## Issued Ticket Report

09/06/2016 To 09/16/2016

### 08:00 to 08:59

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
9062016A	9/6/2016	08:15	MARSH HALL/ART GALLERY	ABC123	\$50.00	T6	N	N
EXPIRED DECAL 50								
BLOCKING FIRE HYDRANT 300								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	2	\$350.00	0	0

### 14:00 to 14:59

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
555556	9/6/2016	14:46	3D ART STUDIO EAST LOT	HNZ044	\$300.00	S2	N	N
BLOCKING FIRE HYDRANT 300								
HANDICAPPED CURBCUT 500								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	2	\$800.00	0	0

### 10:00 to 10:59

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB124	9/14/2016	10:55	MAIN	TKM580	\$300.00	S10	Y	N
BLOCKING FIRE HYDRANT 300								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	1	\$300.00	1	0

### 11:00 to 11:59

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB123	9/15/2016	11:44	32ND AVE	TKM580	\$0.00	S10	N	N
WARNING SEE COMMENT								
BLOCKING FIRE HYDRANT 150								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	2	\$150.00	0	0

**09:00 to 09:59**

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
800031	9/12/2016	09:58	32ND AVE	12300MD	\$50.00	S12	N	N
EXPIRED DECAL 50								
<b>Totals:</b>		Tickets 1		Violations 1	Amount \$50.00		Warnings 0	Voids 0

**12:00 to 12:59**

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
12TESTLINK	9/16/2016	12:33	32ND AVE	126305	\$100.00	T6	N	N
NO DISPLAY OF DECAL 100								
<b>Totals:</b>		Tickets 1		Violations 1	Amount \$100.00		Warnings 0	Voids 0

<b>Grand Totals:</b>		<b>Tickets</b> 6		<b>Violations</b> 9	<b>Amount</b> \$1,750.00		<b>Warnings</b> 1	<b>Voids</b> 0
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## Issued Ticket Report

09/06/2016 To 09/16/2016

### S10 / MYERS, ROSEMARY

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB124	9/14/2016	10:55	MAIN	TKM580	\$300.00	S10	Y	N
BLOCKING FIRE HYDRANT 300								
DB123	9/15/2016	11:44	32ND AVE	TKM580	\$0.00	S10	N	N
WARNING SEE COMMENT								
BLOCKING FIRE HYDRANT 150								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	2	3	\$450.00	1	0

### S12 / WOODS, ETHEL

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
800031	9/12/2016	09:58	32ND AVE	12300MD	\$50.00	S12	N	N
EXPIRED DECAL 50								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	1	\$50.00	0	0

### S2 / VIRGIL, MARY

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
555556	9/6/2016	14:46	3D ART STUDIO EAST LOT	HNZ044	\$300.00	S2	N	N
BLOCKING FIRE HYDRANT 300								
HANDICAPPED CURBCUT 500								

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	2	\$800.00	0	0

### T6 / JAMES, MARY

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
9062016A	9/6/2016	08:15	MARSH HALL/ART GALLERY	ABC123	\$50.00	T6	N	N
EXPIRED DECAL 50								
BLOCKING FIRE HYDRANT 300								
12TESTLINK	9/16/2016	12:33		126305	\$100.00	T6	N	N
NO DISPLAY OF DECAL 100								

**T6 / JAMES, MARY**

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		2	3	\$450.00		0		0
<b>Grand Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		6	9	\$1,750.00		1		0

# Permit Payments

12/02/2015

<u>Permit Number</u>	<u>Entity Type</u>	<u>Transact Date</u>	<u>Payment Code</u>	<u>Amount</u>
LF5684	DE	10/01/2014	PD	\$50.00
LF5364	DE	10/01/2014	PD	\$50.00
LF5363	DE	10/01/2014	PD	\$50.00
LF5716	DE	10/01/2014	PD	\$50.00
LDF4588	DE	10/01/2014	PD	\$50.00
LF5726	DE	10/01/2014	PD	\$50.00
LF5686	DE	10/01/2014	PD	\$50.00
LF5691	DE	10/01/2014	PD	\$50.00
LF5692	DE	10/01/2014	PD	\$50.00
LF5704	DE	10/01/2014	PD	\$50.00
LF5705	DE	10/01/2014	PD	\$50.00
LF5695	DE	10/01/2014	PD	\$50.00
LF5696	DE	10/01/2014	PD	\$50.00
LF5708	DE	10/01/2014	PD	\$50.00
LDF4586	DE	10/01/2014	PD	\$50.00
LDF4587	DE	10/01/2014	PD	\$50.00
LF5712	DE	10/01/2014	PD	\$50.00
LF5714	DE	10/01/2014	PD	\$50.00
LF5715	DE	10/01/2014	PD	\$50.00
LF5719	DE	10/01/2014	PD	\$50.00
LF9149	DE	10/01/2014	PD	\$50.00
LF5724	DE	10/01/2014	PD	\$50.00
L97084	DE	10/01/2014	PD	\$25.00
L97084	DE	10/01/2014	PD	\$25.00
L83028	DE	10/02/2014	PD	\$25.00
LF5736	DE	10/02/2014	PD	\$50.00
LF5738	DE	10/02/2014	PD	\$50.00
LF5740	DE	10/02/2014	PD	\$50.00
LF5746	DE	10/02/2014	PD	\$50.00
LF5749	DE	10/02/2014	PD	\$50.00
LF9155	DE	10/02/2014	PD	\$50.00
LF5757	DE	10/02/2014	PD	\$50.00



<u>Permit Number</u>	<u>Entlty Type</u>	<u>Transact Date</u>	<u>Payment Code</u>	<u>Amount</u>
LF5767	DE	10/02/2014	PD	\$50.00
LF5772	DE	10/03/2014	PD	\$50.00
LF5782	DE	10/03/2014	PD	\$50.00
L97090	DE	10/03/2014	PD	\$25.00
LF5794	DE	10/06/2014	PD	\$50.00
LF5796	DE	10/06/2014	PD	\$25.00
LF5804	DE	10/06/2014	PD	\$50.00
LF5799	DE	10/06/2014	PD	\$50.00
LF5809	DE	10/07/2014	PD	\$50.00
LF9166	DE	10/07/2014	PD	\$50.00
LF5820	DE	10/07/2014	PD	\$50.00
LF5817	DE	10/07/2014	PD	\$50.00
LF5821	DE	10/07/2014	PD	\$50.00
L89327	DE	10/07/2014	PD	\$50.00
L89325	DE	10/07/2014	PD	\$50.00
L89324	DE	10/07/2014	PD	\$50.00
L89326	DE	10/07/2014	PD	\$50.00
L89323	DE	10/07/2014	PD	\$50.00
L89322	DE	10/07/2014	PD	\$50.00
LF5827	DE	10/08/2014	PD	\$50.00
LF5829	DE	10/08/2014	PD	\$50.00
L97096	DE	10/08/2014	PD	\$25.00
L97097	DE	10/08/2014	PD	\$10.00
LF5838	DE	10/08/2014	PD	\$50.00
LF5840	DE	10/09/2014	PD	\$50.00
LF5844	DE	10/09/2014	PD	\$50.00
LF5353	DE	10/09/2014	PD	\$50.00
LF5357	DE	10/09/2014	PD	\$50.00
LF5355	DE	10/09/2014	PD	\$50.00
LF5358	DE	10/09/2014	PD	\$50.00
LF5351	DE	10/09/2014	PD	\$50.00
LF5356	DE	10/09/2014	PD	\$50.00
LF5354	DE	10/09/2014	PD	\$50.00
LF5352	DE	10/09/2014	PD	\$50.00

<u>Permit Number</u>	<u>Entity Type</u>	<u>Transact Date</u>	<u>Payment Code</u>	<u>Amount</u>
LF9176	DE	10/10/2014	PD	\$50.00
LF5855	DE	10/10/2014	PD	\$50.00
LF5858	DE	10/10/2014	PD	\$50.00
LDF6115	DE	10/13/2014	PD	\$50.00
LF5866	DE	10/13/2014	PD	\$50.00
LF5867	DE	10/13/2014	PD	\$50.00
LF5870	DE	10/14/2014	PD	\$50.00
LF5871	DE	10/14/2014	PD	\$50.00
L83093	DE	10/15/2014	PD	\$25.00
LF5881	DE	10/16/2014	PD	\$50.00
LF5882	DE	10/16/2014	PD	\$50.00
L83109	DE	10/16/2014	PD	\$25.00
LF9187	DE	10/16/2014	PD	\$50.00
L97318	DE	10/16/2014	PD	\$50.00
LF5883	DE	10/16/2014	PD	\$50.00
L97326	DE	10/21/2014	PD	\$25.00
L83130	DE	10/21/2014	PD	\$25.00
LF9013	DE	10/22/2014	PD	\$50.00
L97332	DE	10/23/2014	PD	\$50.00
L83137	DE	10/23/2014	PD	\$25.00
L83144	DE	10/24/2014	PD	\$25.00
LF5916	DE	10/27/2014	PD	\$50.00
L83148	DE	10/27/2014	PD	\$25.00
LF9019	DE	10/27/2014	PD	\$50.00
<b>Grand Total:</b>				<b>----- \$4,135.00</b>

# CARDINAL TRACKING, INC.

1825 LAKEMAY DRIVE SUITE 100  
LEWISVILLE, TX 75057

## AGED ACCOUNTS RECEIVABLE REPORT - DETAIL (TICKET)

Server: SUPPORT9

Database: ETSU\_10272014

Number	Description	Activity Date	Plate/State		0 - 30	31 - 60	61 - 120	121 - 365								
13090001	RSV DESIGNATED SPACE	11/10/2015	XRAY002	TX	\$20.00											
150177774	FACULTY/STAFF RESERVE	10/21/2015	TEST	WI		\$20.00										
150177771	FACULTY/STAFF RESERVE	09/25/2015	TEST001	TX			\$20.00									
150177773	FACULTY/STAFF RESERVE	09/25/2015	TEST5678	TX			\$20.00									
150177772	PARKED IN YELLOW ZONE	09/25/2015	TEST001	TX			\$20.00									
150177770	FACULTY/STAFF RESERVE	09/22/2015	1es1001	TX			\$20.00									
150100100	FACULTY/STAFF RESERVE	09/11/2015	1es1001	TX			\$20.00									
1D	FACULTY/STAFF RESERVE	09/11/2015	TES678	TX			\$20.00									
150199000	FACULTY/STAFF RESERVE	05/28/2015	65F4U1	DC			\$20.00									
150199900	FACULTY/STAFF RESERVE	05/28/2015	TEST789	TX			\$20.00									
110101010	ARCHIVES MUSEUM ONLY	03/30/2015	TEST001	DE			\$20.00									
90109362	FEE CODE CP	03/16/2015	160GHP	TN			\$25.00									
90205065	FEE CODE CP	03/16/2015	W836136	TN			\$25.00									
90205064	FEE CODE CP	03/16/2015	485HGJ	TN			\$25.00									
90411144	FEE CODE CP	03/16/2015	463WCP	TN			\$25.00									
90109184	FEE CODE CP	03/16/2015	BS202M	TN			\$25.00									
90411104	FEE CODE CP	03/16/2015	W760989	TN			\$25.00									
90411048	FEE CODE CP	03/16/2015	XTT7833	NC			\$25.00									
90109112	FEE CODE CP	03/16/2015	661SBY	TN			\$25.00									
90410999	FEE CODE CP	03/16/2015	774YCS	TN			\$25.00									
90204846	FEE CODE CP	03/16/2015	FR2220	TN			\$25.00									
90108985	FEE CODE CP	03/16/2015	FR2220	TN			\$25.00									
90108984	FEE CODE CP	03/16/2015	342WCB	TN			\$25.00									
90410915	FEE CODE CP	03/16/2015	ZTC2047	NC			\$25.00									

Number	Description	Activity Date	Plate/State	0 - 30	31 - 60	61 - 120	121 - 365
90204649	FEE CODE CP	03/16/2015	811WVS TN				\$25.00
90204648	FEE CODE CP	03/16/2015	922TVY TN				\$25.00
90204647	FEE CODE CP	03/16/2015	W814022 TN				\$25.00
90204646	FEE CODE CP	03/16/2015	159YQW TN				\$25.00
90410584	FEE CODE CP	03/16/2015	W814022 TN				\$25.00
903004511	FEE CODE CP	03/16/2015	A8457A TN				\$25.00
90112961	FEE CODE CP	03/16/2015	10USGRL TN				\$25.00
90112960	FEE CODE CP	03/16/2015	034WVC TN				\$25.00
90112909	FEE CODE CP	03/16/2015	2586CF TN				\$25.00
90112753	FEE CODE CP	03/16/2015	ABJ9984 NC				\$25.00
90112751	FEE CODE CP	03/16/2015	A4988A TN				\$25.00
903004297	FEE CODE CP	03/16/2015	574TTJ TN				\$25.00
90112683	FEE CODE CP	03/16/2015	852YXN TN				\$25.00
90416183	FEE CODE CP	03/16/2015	159WWY TN				\$25.00
90710875	FEE CODE CP	03/16/2015	A8457A TN				\$25.00
90112183	FEE CODE CP	03/16/2015	FLYNHI TN				\$25.00
903003575	FEE CODE CP	03/16/2015	083VXL TN				\$25.00
903003540	FEE CODE CP	03/16/2015	496VMD TN				\$25.00
90111327	FEE CODE CP	03/16/2015	XFD4066 VA				\$25.00
90111323	FEE CODE CP	03/16/2015	FR2089 TN				\$25.00
90414545	FEE CODE CP	03/16/2015	X028132 TN				\$25.00
903003464	FEE CODE CP	03/16/2015	976VZF TN				\$25.00
90111291	FEE CODE CP	03/16/2015	SHRLNATR ON				\$25.00
903003052	FEE CODE CP	03/16/2015	111306 TN				\$25.00
90207233	FEE CODE CP	03/16/2015	265TTP TN				\$25.00
90414158	FEE CODE CP	03/16/2015	ZZZ8632 NC				\$25.00
90110945	FEE CODE CP	03/16/2015	9855HK VA				\$25.00
90202901	FEE CODE CP	03/16/2015	346WMK TN				\$25.00
90106715	FEE CODE CP	03/16/2015	956VBM TN				\$25.00

Number	Description	Activity Date	Plate/State	0 - 30	31 - 60	61 - 120	121 - 365
90407747	FEE CODE CP	03/16/2015	927BNT TN				\$25.00
90202805	FEE CODE CP	03/16/2015	571NTB TN				\$25.00
90106638	FEE CODE CP	03/16/2015	743WOK TN				\$25.00
90204584	FEE CODE CP	03/16/2015	ZTC2047 NC				\$25.00
130504060	FEE CODE BS	03/16/2015	R2462B TN				\$50.00
90202441	FEE CODE CP	03/16/2015	W403929 TN				\$25.00
90202129	FEE CODE CP	03/16/2015	898SHX TN				\$25.00
90106367	FEE CODE CP	03/16/2015	971SBT TN				\$25.00
90201820	FEE CODE CP	03/16/2015	430CJB TN				\$25.00
90406243	FEE CODE CP	03/16/2015	543NRX TN				\$25.00
90100952	FEE CODE CP	03/16/2015	149NRW TN				\$25.00
90512973	FEE CODE CP	03/16/2015	RYJ7308 NC				\$25.00
90512969	FEE CODE CP	03/16/2015	779PPH TN				\$25.00
90401695	FEE CODE CP	03/16/2015	577JYH TN				\$25.00
90401694	FEE CODE CP	03/16/2015	577JYH TN				\$25.00
90122166	FEE CODE CP	03/16/2015	S938446 TN				\$25.00
90606326	FEE CODE CP	03/16/2015	804SHY TN				\$25.00
90511903	FEE CODE CP	03/16/2015	295VLY TN				\$25.00
90124873	FEE CODE CP	03/16/2015	096TSC TN				\$25.00
90124938	FEE CODE CP	03/16/2015	295VLY TN				\$25.00
90124936	FEE CODE CP	03/16/2015	333HFP TN				\$25.00
90124367	FEE CODE CP	03/16/2015					\$25.00
90510873	FEE CODE CP	03/16/2015	106HFK TN				\$25.00
90122402	FEE CODE CP	03/16/2015	542TLB TN				\$25.00
90122075	FEE CODE CP	03/16/2015	258SHX TN				\$25.00
90122053	FEE CODE CP	03/16/2015	324PKS TN				\$25.00
90605818	FEE CODE CP	03/16/2015	070PMJ TN				\$25.00
90404416	FEE CODE CP	03/16/2015	955TVR TN				\$25.00
90103984	FEE CODE CP	03/16/2015	036WQG TN				\$25.00

# Account History

**KUBERKA, MATTHEW DAVID**

Acct # 56134

<b>Name Information:</b>	<b>Total Amount Due as of 12/02/2015</b>	<b>\$0.00</b>
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Alert	<b>Credit Amount as of 12/02/2015</b>	<b>\$0.00</b>
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Name: KUBERKA, MATTHEW DAVID

Home Phone:

Address: 22750  
MADISONVILLE, TN 37354-6369

Address Entry Date: 10/26/2004

Verified Date:

<b>Previous Address(s):</b>
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Address: 342 STINNETT RD	Address Entry Date: 03/10/2003
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MADISONVILLE, TN 373546369	Verified Date:
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Address: 22750	Address Entry Date: 03/05/2003
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Verified Date:

<b>Vehicle Information:</b>
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Date	Plate	Type	Make	Model	Color	Style	Vin
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<b>Ticket Information:</b>	<b>Amount Due as of 12/02/2015</b>	<b>\$0.00</b>
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Date	Ticket	LP/Permit	Location	Appeal Amount	Warnin
04/30/2001	076641	CFY130 / R35538	CAMPUS DRIVE	N \$0.00	N

Activity	Date	Code	Description
	08/29/2001	PAID	PAID

Finance	Date	Type	Description	Code	Amount	Void	Paid	Receipt No	Ret Chk
	08/29/2001	PAY	FAC/STAFF		0.00	N	20.00	94180	N
	04/30/2001	FINE	FAC/STAFF	FS	20.00	N	0.00		N

03/05/2001	056825	CFY130 / R35538	23 LOT 23	N	\$0.00	N
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Activity	Date	Code	Description
	04/02/2001	PAID	PAID

Finance	Date	Type	Description	Code	Amount	Void	Paid	Receipt No	Ret Chk
	04/02/2001	PAY	FAC/STAFF		0.00	N	20.00	92701	N
	03/05/2001	FINE	FAC/STAFF	FS	20.00	N	0.00		N

**Account History**  
**KUBERKA, MATTHEW DAVID**  
Acct # 56134

**Permit Information:** Amount Due as of 12/02/2015 0

Date	Permit	Type	Amount
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# Appeal List - Order by Number

CARDINAL TRACKING, INC.

STATUS: OPEN & DENIED - APPEAL DATE: (11/01/2012 - 11/30/2012)

Number	Appeal Code	Appeal Date	Clerk	Status	Closed Date	Name	License Plate/State	Violation(s)	Location	Officer
126603549		11/02/2012	SLH	DENIED	11/26/2012	THOMPSON, N	DFK268, MS			
126603577		11/05/2012	SLH	DENIED	11/27/2012	PEREZ, A	AWSK50, FL			
126603929		11/07/2012	SLH	DENIED	11/26/2012	HERRING, A	420XGF, TN			
126604213		11/13/2012	SLH	DENIED	12/04/2012	MAGEE, L	5AY454, MS			
126604228		11/13/2012	SLH	DENIED	12/04/2012	VICKERS, N	LMA123, MS			
126604384		11/29/2012	SLH	DENIED	12/04/2012	CRAWFORD, M	JJX571, MS			
127701233	UA	11/01/2012	SLH	DENIED	12/10/2012	WILSON, F	DDC319, MS			
127701378		11/01/2012	SLH	DENIED	11/06/2012	CLARKE, A	RD1211, MS			
127701495		11/08/2012	SLH	DENIED	11/26/2012	ELLIS, M	CKP818, MS			
127701547		11/05/2012	SLH	DENIED	11/27/2012	RAZIANO, R	STN985, MS			
127701659	UA	11/26/2012	SLH	DENIED	12/10/2012	LADNIER, M	2A89S59, AL			
127701717	UA	11/26/2012	SLH	DENIED	12/10/2012	LADNIER, M	2A89S59, AL			
127701730	UA	11/09/2012	SLH	DENIED	11/26/2012	FAULK, M	TUG721, LA			
127701789		11/14/2012	SLH	DENIED	11/27/2012	LEE, S	LMP493, MS			
13BOOT008		11/08/2012	SLH	DENIED	12/18/2012	ELLIS, M	CKP818, MS			
13TOW0026		11/07/2012	SLH	DENIED	12/18/2012	GUY, T	318PHU, FL			
15084		11/14/2012	SLH	DENIED	11/26/2012	GREEN, P	WLL999, MS			
15504		11/07/2012	SLH	DENIED	11/26/2012	GUY, T	318PHU, FL			
15919	UA	11/26/2012	SLH	DENIED	12/10/2012	TORRES, L	LMS702, MS			
15925	UA	11/19/2012	SLH	DENIED	11/26/2012	POWELL, K	WGW736, LA			
15935		11/01/2012	SLH	DENIED	11/06/2012	WILLIAMS, A	SPU629, MS			
16041	UA	11/07/2012	SLH	DENIED	11/26/2012	MAYS, D	STM482, MS			
16042		11/05/2012	SLH	DENIED	12/10/2012	WEATHERSPOON, S	FTJ381, MS			
16043		11/02/2012	SLH	DENIED	11/26/2012	LEE, P	LMY181, MS			
16045	UA	11/15/2012	SLH	DENIED	12/10/2012	STREWIG, E	5EEK26, MD			
16048		11/02/2012	SLH	DENIED	11/06/2012	DONALD, W	HIE686, MS			
16049		11/01/2012	SLH	DENIED	11/06/2012	WHITE, K	2A51V31, AL			



# Appeal List - Order by Number

CARDINAL TRACKING, INC.

STATUS: OPEN & DENIED - APPEAL DATE: (11/01/2012 - 11/30/2012)

Number	Appeal Code	Appeal Date	Clerk	Status	Closed Date	Name	License Plate/State	Violation(s)	Location	Officer
17077		11/08/2012	SLH	DENIED	11/26/2012	THAMES, D	NVT684, MS			
17154		11/14/2012	SLH	DENIED	11/26/2012	AITKEN, L	VCA078, LA			
PD13773		11/07/2012	SLH	DENIED	12/18/2012	GUY, T	318PHU, FL	20	POLYMER RESERVE LOT	L6
PD14143		11/02/2012	SLH	DENIED	12/18/2012	STANTON, S	2B20J40, AL	20	100 YELLOW LANE	L6
PD16653		11/01/2012	SLH	DENIED	12/18/2012	WHITE, K	2A51V31, AL	20	POLYMER RESERVE LOT	L11
Total Printed: 32										

## Issued Ticket Report

09/06/2016 To 09/16/2016

### WARNING SEE COMMENT

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB123	9/15/2016	11:44	32ND AVE	TKM580	\$0.00	S10	N	N
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		1	1	\$0.00		0		0

### BLOCKING FIRE HYDRANT 150

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
DB123	9/15/2016	11:44	32ND AVE	TKM580	\$150.00	S10	N	N
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		1	1	\$150.00		0		0

### BLOCKING FIRE HYDRANT 300

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
9062016A	9/6/2016	08:15	MARSH HALL/ART GALLERY	ABC123	\$300.00	T6	N	N
555556	9/6/2016	14:46	3D ART STUDIO EAST LOT	HNZ044	\$300.00	S2	N	N
DB124	9/14/2016	10:55	MAIN	TKM580	\$300.00	S10	Y	N
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		3	3	\$900.00		1		0

### EXPIRED DECAL 50

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
9062016A	9/6/2016	08:15	MARSH HALL/ART GALLERY	ABC123	\$50.00	T6	N	N
800031	9/12/2016	09:58	32ND AVE	12300MD	\$50.00	S12	N	N
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		2	2	\$100.00		0		0

### HANDICAPPED CURBCUT 500

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
555556	9/6/2016	14:46	3D ART STUDIO EAST LOT	HNZ044	\$500.00	S2	N	N
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>		<b>Voids</b>
		1	1	\$500.00		0		0

**NO DISPLAY OF DECAL 100**

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
12TESTLINK	9/16/2016	12:33		126305	\$100.00		N	N

Totals:	Tickets	Violations	Amount	Warnings	Voids
	1	1	\$100.00	0	0

Grand Totals:	Tickets	Violations	Amount	Warnings	Voids
	6	9	\$1,750.00	1	0

Show/Hide  
Details

## Officer Time Gap Report

07/26/2012 To 07/26/2012

Date: 7/26/2012

Number	Issue Time	Violation	Meter	Location	Lot
127700657	08:31	WARNING SEE COMMENT		JOSEPH GREEN NORTH LOT	
<b>Minutes Between Tickets: 14</b>					
127700658	08:45	PARKED IN WRONG ZONE 100		CICE LOT	
<b>Minutes Between Tickets: 12</b>					
127700659	08:57	WARNING SEE COMMENT		THEATRE & DANCE LOT	
<b>Minutes Between Tickets: 5</b>					
127700660	09:02	WARNING SEE COMMENT		THEATRE & DANCE LOT	
<b>Minutes Between Tickets: 4</b>					
127700661	09:06	WARNING SEE COMMENT		THEATRE & DANCE LOT	
<b>Minutes Between Tickets: 6</b>					
127700662	09:12	WARNING SEE COMMENT		COMMUNITY HEALTH	
<b>Minutes Between Tickets: 1</b>					
127700663	09:13	WARNING SEE COMMENT		COMMUNITY HEALTH	
<b>Minutes Between Tickets: 7</b>					
127700664	09:20	EXPIRED DECAL 50		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 2</b>					
127700665	09:22	EXPIRED DECAL 50		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 2</b>					
127700666	09:24	PARKED IN WRONG ZONE 50		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 9</b>					
127700667	09:33	WARNING SEE COMMENT	OMH2P	GOLDEN EAGLE AVENUE	
<b>Minutes Between Tickets: 180</b>					
127700668	12:33	WARNING SEE COMMENT	F1D	FOREST AVENUE	
<b>Minutes Between Tickets: 2</b>					

Date: 7/26/2012

Number	Issue Time	Violation	Meter	Location	Lot
127700669	12:35	WARNING SEE COMMENT	F4P	FOREST AVENUE	
<b>Minutes Between Tickets: 3</b>					
127700670	12:38	OVERTIME METER 25	F12P	FOREST AVENUE	
<b>Minutes Between Tickets: 7</b>					
127700671	12:45	WARNING SEE COMMENT		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 2</b>					
127700672	12:47	PARKED IN WRONG ZONE 100		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 2</b>					
127700673	12:49	WARNING SEE COMMENT		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 1</b>					
127700674	12:50	WARNING SEE COMMENT		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets: 17</b>					
127700675	13:07	WARNING SEE COMMENT		JOSEPH GREEN NORTH LOT	
<b>Minutes Between Tickets: 5</b>					
127700676	13:12	WARNING SEE COMMENT		MONTAGUE BOULEVARD	
<b>Minutes Between Tickets: 2</b>					
127700677	13:14	PARKED IN WRONG ZONE 50		MONTAGUE BOULEVARD	
<b>Minutes Between Tickets: 5</b>					
127700678	13:19	PARKED IN WRONG ZONE 50		MONTAGUE BOULEVARD	
<b>Minutes Between Tickets: 2</b>					
127700679	13:21	WARNING SEE COMMENT		MONTAGUE BOULEVARD	
<b>Minutes Between Tickets: 4</b>					
127700680	13:25	EXPIRED DECAL 50		KAY JAMES DRIVE	
<b>Minutes Between Tickets: 1</b>					
127700681	13:26	EXPIRED DECAL 50		NATATORIUM	
<b>Minutes Between Tickets: 9</b>					
127700682	13:35	NO DISPLAY OF DECAL 100		CICE LOT	
<b>Minutes Between Tickets: 69</b>					

Date: 7/26/2012

Number	Issue Time	Violation	Meter	Location	Lot
127700683	14:44	WARNING SEE COMMENT		FOREST AVENUE	
<b>Minutes Between Tickets: 1</b>					
127700684	14:45	WARNING SEE COMMENT		FOREST AVENUE	
<b>Minutes Between Tickets: 8</b>					
127700685	14:53	WARNING SEE COMMENT		JOSEPH GREEN NORTH LOT	
<b>Minutes Between Tickets: 14</b>					
127700686	15:07	WARNING SEE COMMENT		MCPHAIL LOT	
<b>Minutes Between Tickets: 2</b>					
127700687	15:09	NO DISPLAY OF DECAL 100		COMMUNITY HEALTH	
<b>Minutes Between Tickets: 1</b>					
127700688	15:10	PARKED IN WRONG ZONE 50		COMMUNITY HEALTH	
<b>Minutes Between Tickets: 6</b>					
127700689	15:16	NO DISPLAY OF DECAL 200		GEORGE HURST WEST LOT	
<b>Minutes Between Tickets:</b>					

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7/26/2012	Totals:	Total Tickets: 33
		Average Minutes Between Tickets: 12
		First Ticket Time: 08:31
		Last Ticket Time: 15:16

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Grand Totals:	Total Tickets: 33
	Average Minutes Between Tickets: 12

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## Issued Ticket Report

07/01/2012 To 12/31/2012

### IMPROPER DISPLAY OF DECAL 25

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
18407	7/10/2012	14:45	GEORGE HURST WEST LOT	LME536	\$25.00	T5	N	N
18421	7/13/2012	10:15	KELLY HALL LOT	MNV402	\$25.00	T5	N	N
18589	7/17/2012	14:11	KAY JAMES DRIVE	H861	\$25.00	T2	N	Y
18546	7/17/2012	14:42	THEATRE & DANCE LOT	2B28W12	\$25.00	T5	N	N
18314	7/18/2012	15:29	GEORGE HURST WEST LOT	LME536	\$25.00	T1	N	N
121101731	7/26/2012	09:04	THEATRE & DANCE LOT	2B28W12	\$25.00	T1	N	N
122205489	8/27/2012	09:46	RESEARCH DRIVE	LN2174	\$25.00	T2	N	N
122205793	9/20/2012	10:42	PARKING GARAGE RAMP 1	PDK9022	\$25.00	T2	N	N
122206322	10/16/2012	09:55	PARKING GARAGE RAMP 1	PDK9022	\$25.00	T2	N	N
122206325	10/16/2012	10:02	PARKING GARAGE RAMP 1	PEM174	\$25.00	T2	N	N
122206402	10/17/2012	09:42	PARKING GARAGE LEVEL 3	MYWTJP	\$25.00	T2	N	N
122206410	10/17/2012	10:02	PARKING GARAGE LEVEL 3	KLEIGH	\$25.00	T2	N	N
122206414	10/17/2012	10:12	PARKING GARAGE LEVEL 3	LIA338	\$25.00	T2	N	N
122206475	10/18/2012	11:26	PARKING GARAGE LEVEL 3	HJP321	\$25.00	T2	N	N
127701323	10/23/2012	14:35	PAYNE CENTER LOT	MAD162	\$25.00	T1	N	N
127701463	10/25/2012	15:33	M.K. TURK CIRCLE	PKD803	\$25.00	T1	N	N
126603577	10/26/2012	10:34	PARKING GARAGE RAMP 1	AWSK50	\$25.00	T3	N	N
127701472	10/29/2012	09:06	ROBERTS PARKING LOT	AM58024	\$25.00	T1	N	N
127701511	10/29/2012	13:49	GEORGE HURST WEST LOT	HEP941	\$25.00	T1	N	N
127701642	11/6/2012	09:55	THEATRE & DANCE LOT	CLBLIMS	\$25.00	T1	N	N
127701830	11/8/2012	14:34	BLACK AND GOLD BOULEVARD	13272174	\$25.00	T1	N	N
127701842	11/8/2012	14:49	BLACK AND GOLD BOULEVARD	CLBLIMS	\$25.00	T1	N	N
127701847	11/9/2012	09:11	HILLCREST GRAVEL LOT	VRX769	\$25.00	T1	N	N
127701850	11/9/2012	09:17	HILLCREST GRAVEL LOT	HJE365	\$25.00	T1	N	N
127701853	11/9/2012	09:24	HILLCREST GRAVEL LOT	370S2	\$25.00	T1	N	N
123300265	12/4/2012	09:24	BLACK AND GOLD BOULEVARD	CKI805	\$25.00	T4	N	N
123300279	12/4/2012	14:48	BLACK AND GOLD BOULEVARD	3A77T43	\$25.00	T4	N	N
123300289	12/5/2012	09:07	NATATORIUM	CVL418	\$25.00	T4	N	Y

**IMPROPER DISPLAY OF DECAL 25**

Number	Issue Date	Issue Time	Location	Plate	Fine Amount	Officer	Warning	Void
123300292	12/5/2012	09:23	M.K. TURK CIRCLE	LMY981	\$25.00	T4	N	Y
123300295	12/5/2012	09:55	COMMUNITY HEALTH	DHF182	\$25.00	T4	N	N
123300296	12/5/2012	13:40	BLACK AND GOLD BOULEVARD	FTI332	\$25.00	T4	N	N
123300298	12/5/2012	13:49	BLACK AND GOLD BOULEVARD	BT9G605	\$25.00	T4	N	N
123300299	12/5/2012	13:54	BLACK AND GOLD BOULEVARD	98S32	\$25.00	T4	N	N
128802360	12/5/2012	14:33	PARKING GARAGE LEVEL 3	AWSK50	\$25.00	T5	N	N
122206770	12/5/2012	15:31	PARKING GARAGE LEVEL 1	VIF504	\$25.00	T2	N	N
122206784	12/6/2012	10:32	FRATERNITY DRIVE	KBE125	\$25.00	T2	N	N
128802397	12/6/2012	13:38	31ST AVE/ ELAM GRAVEL	FTE337	\$25.00	T5	N	Y
123300346	12/6/2012	14:06	31ST AVE/ ELAM GRAVEL	FTM528	\$25.00	T4	N	N
126604618	12/10/2012	14:55	GEORGE HURST WEST LOT	OND129	\$25.00	T4	N	N
126604629	12/11/2012	11:07	COMMUNITY HEALTH	757S2	\$25.00	T4	N	N
127702003	12/11/2012	12:54	FOREST AVENUE	G633L	\$25.00	T4	N	N
127702032	12/12/2012	13:55	COLLEGE DRIVE	LTT100	\$25.00	T1	N	N
<b>Totals:</b>		<b>Tickets</b>	<b>Violations</b>	<b>Amount</b>		<b>Warnings</b>	<b>Voids</b>	
		42	42	\$1,050.00		0	4	

**Grand Totals:**                      **Tickets**                      **Violations**                      **Amount**                      **Warnings**                      **Voids**  
 42    42    \$1,050.00                      0    4



Cardinal Tracking, Inc.

RFP-4532-16-JE

**ACKNOWLEDGMENT AND SIGNATURE PAGE**

This form must be completed and submitted by the date and the time of bid opening.

Cardinal

Legal Company Name (include d/b/a if applicable): Tracking, Inc. Federal Tax Identification Number: 75 - 1841973

If Corporation - Date Incorporated/Organized: September 1982

State Incorporated/Organized: Texas

Company Operating Address: 1825 Lakeway Drive, Suite 100

City Lewisville State TX Zip Code 75057

Remittance Address (if different from ordering address): \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Company Contact Person: Peter Tillman Email Address: PTillman@cardinaltracking.com

Phone Number (include area code): 800-285-3833 Fax Number (include area code): 972-539-8914

Company's Internet Web Address: cardinaltracking.com

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.

 10/05/2016  
Bidder/Proposer's Authorized Representative's Signature: Date

Type or Print Name: Steve Leuschner

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.

**ANY EXCEPTION, CHANGES OR ALTERATIONS TO THE GENERAL TERMS AND CONDITIONS, HOLDHARMLESS/INDEMNITY DOCUMENT OR OTHER REQUIRED FORMS MAY RESULT IN THE BID/PROPOSAL BE DEEMED NON-RESPONSIVE AND DISQUALIFIED FORM THE AWARD PROCESS.**

Cardinal Tracking, Inc.

RFP-4532-16-JE

## CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The applicant certifies that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Applicant Name and Address:

Cardinal Tracking, Inc.

1825 Lakeway Drive Suite 100

Lewisville, Texas 75057


Application Number and/or Project Name:

RFP - 4532 - 16 - JE Parking Citation & Permit Database System

Applicant IRS/Vendor Number: 75 - 1841973

Type/Print Name and Title of Authorized Representative:

Steve Leuschner, President and CEO

Signature:  Date: 10/05/2016

**Failure to sign or changes to this page shall render your bid non-responsive.**

Cardinal Tracking, Inc.

RFP-4532-16-JE

**DRUG-FREE WORKPLACE PROGRAM**

IDENTICAL TIE BIDS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program (if such is available in the employee's community) by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Steve Leuschner

VENDOR'S SIGNATURE

PRINTED NAME

Cardinal Tracking, Inc.

NAME OF COMPANY

Cardinal Tracking, Inc.

RFP-4532-16-JE

**HOLD HARMLESS AND INDEMNITY CLAUSE**

Cardinal Tracking, Inc. Steve Leuschner

---

**(Company Name and Authorized Representative's Name)**

, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.



SIGNATURE

Steve Leuschner

PRINTED NAME

Cardinal Tracking, Inc.

COMPANY OF NAME

October 5, 2016

DATE

**Failure to sign or changes to this page shall render your bid non-responsive.**

Cardinal Tracking, Inc.

RFP-4532-16-JE

**NONCOLLUSION AFFIDAVIT**

**STATE OF:** Texas

**COUNTY OF:** Denton, being first duly sworn, deposes and says that:

- (1) He/she is Steve Leuschner of Cardinal Tracking, Inc., the Bidder that has submitted the attached Bid.
- (2) He/she has been fully informed regarding the preparation and contents of the attached Bid and of all pertinent circumstances regarding such Bid;
- (3) Such Bid is genuine and is not a collusion or sham Bid;
- (4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the contractor for which the attached Bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and
- (5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(SIGNED)  CEO  
 \_\_\_\_\_  
 Title

**Failure to sign or changes to this page shall render your bid non-responsive.**

Cardinal Tracking, Inc.

RFP-4532-16-JE

**SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY**

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. - "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City does business.

The State of Florida definition of "gifts" includes the following:

- Real property or its use,
- Tangible or intangible personal property, or its use,
- A preferential rate or terms on a debt, loan, goods, or services,
- Forgiveness of indebtedness,
- Transportation, lodging, or parking,
- Food or beverage,
- Membership dues,
- Entrance fees, admission fees, or tickets to events, performances, or facilities,
- Plants, flowers or floral arrangements
- Services provided by persons pursuant to a professional license or certificate.
- Other personal services for which a fee is normally charged by the person providing the services.
- Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

 _____ SIGNATURE	Steve Leuschner _____ PRINTED NAME
Cardinal Tracking, Inc. _____ NAME OF COMPANY	President, CEO _____ TITLE

**Failure to sign this page shall render your bid non-responsive.**

Cardinal Tracking, Inc.

RFP-4532-16-JE

**SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES**

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS

1. This form statement is submitted to the City of Hollywood, Florida  
by Steve Leuschner for Cardinal Tracking, Inc.  
(Print individual's name and title) (Print name of entity submitting sworn statement)  
whose business address is 1825 Lakeway Drive Suite 100, Lewisville, Texas 75057  
and if applicable its Federal Employer Identification Number (FEIN) is 75 - 1841973 If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

2. I understand that "public entity crime," as defined in paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misinterpretation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "Affiliate," as defined in paragraph 287.133(1)(a), Florida Statutes, means:  
1. A predecessor or successor of a person convicted of a public entity crime, or  
2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5 I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

X  Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime, but the Final Order entered by the Hearing Officer in a subsequent proceeding before a Hearing Officer of the State of the State of Florida,

Cardinal Tracking, Inc.

RFP-4532-16-JE

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

\_\_\_\_\_  
(Signature)

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Personally known \_\_\_\_\_

Or produced identification \_\_\_\_\_ Notary Public-State of \_\_\_\_\_

\_\_\_\_\_ my commission expires \_\_\_\_\_

(Type of identification)

\_\_\_\_\_  
(Printed, typed or stamped commissioned name of notary public)

**Failure to sign or changes to this page shall render your bid non-responsive.**





## PARKING MANAGEMENT SOLUTIONS

### A complete parking solution as unique as your problems

Cardinal understands your need for a parking solution that is flexible to meet your unique environment. We help you work smarter and more efficiently.



#### FLEXIBLE INTEGRATIONS

Our integration services empower you to work more efficiently with multiple vendor solutions through one interface.



#### REAL-TIME DATA EVERYWHERE

Access the latest scofflaw, permit and ticket information with instant data transfers.



#### IN-HOUSE SERVICE & REPAIR

We are an in-house manufacturer-authorized repair specialist. Our fast turnaround time keeps your equipment in the field.

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**CARDINAL**<sup>TM</sup>  
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We are committed to supporting our customers to ensure they can succeed when they are out serving their own communities.

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## Standard Features



### Financial

- Appeals
- Late fees
- Permit renewal/billing
- Point of sale
- Statements/Notices



### Utility

- Holds/Encumbrance
- Import/Export
- Mobile device communications
- Reporting tools
- Scofflaw
- User-defined fields



### Management

- Permit
- Reserve lot
- Ticket issuance
- Vehicle

## Customized Options



### Integration

- Central cashiering
- License plate recognition (LPR)
- Pay-by-phone
- Permit fulfillment
- University financial systems



### Function

- Admin dashboards
- Global search
- Nationwide DMV search
- Real-time wireless enforcement



### Online

- Appeals
- Ticket payments
- Online portals
- Permit registration

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## MOBILE PARKING MANAGEMENT SOLUTIONS

### Handhelds and integrations to meet every need

Cardinal Tracking's TickeTrak Mobile solution offers enforcement personnel instant communication to the office while out in the field. Parking tickets are available for payment within seconds of issuance. Scofflaw and permit data are sent to the handheld whenever changes are made. Our integration services empower you to work more efficiently with multiple vendor solutions through one interface. This powerful, easy-to-use system helps manage all aspects of your parking operations on one platform to provide immediate access to critical information.



Zebra MC67  
Rugged



Honeywell  
Dolphin 70e



Two Technologies  
N5 - Integrated Printer



Zebra ZQ510  
Mobile Printer

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