Marked SSI (Sensitive Security Solution)

Citywide CCTV & ALPR Security Solution

Presented by:

Safeware®
SAFETY•SERVICE•RESPONSE

&

ATCi COMM.
What matters to you, matters to us.

Dated: June 24, 2014

Safeware Inc. is pleased to provide to the City of Hollywood, Florida a multiple phase security solution which includes Closed Circuit TV Cameras, an Automated License Plate Recognition System, and the connectivity for the CCTV and ALPR Systems. This Safeware Security Solution is being provided by the partnership team consisting of Safeware, Inc. and ATCi. It is being procured under the Safeware US Communities government contract vehicle. Safeware is offering the City of Hollywood the US Communities Contract pricing, terms and conditions under the US Communities government contract titled: "Homeland Security & Public Safety/Emergency Preparedness" contract #: 4400001839

This is a complete turn-key security solution and is being provided at a "firm fixed price" as defined in our line item pricing (see attached quotes). The warranty clock on each phase will start after the city has beneficial use of the system on each phase. Payments will be made on a monthly base according to the progress of the project. In closing, Safeware appreciates the trust the City of Hollywood has extended in our team and we feel this security solution will best serve the security and public safety needs of the City of Hollywood.

Phase I Federal Highway CCTV/LPR

The Safeware Team consisting of Safeware Inc. & ATCi Communications herein known as the Safeware Team is providing a complete surveillance/ ALPR solution across Federal highway as detailed on the walkthroughs and shown on the plans designed and proposed. The system shall consist of adding surveillance CCTV cameras and ALPR equipment to strategic City owned poles, where power is constant.

CCTV SYSTEM

26 Poles broken out with the following equipment:

- (21) Samsung 6200RH Pan Tilt Zoom cameras with adaptive IR illumination Technology. Each surveillance camera will receive its respective license and Support for the Video Management recording system ONSSI.

- Full HD(1080p) image 30fps streaming
  Built-in 20x (4.45~89mm) optical zoom lens
- Min. Illumination 0Lux (IR distance 100m)
- H.264/MJPEG dual codec
- 360° Endless Pan, Tilt/ Zoom
- WDR, UPnP supports
- IP66, IK10 Grade
- Video privacy management supports

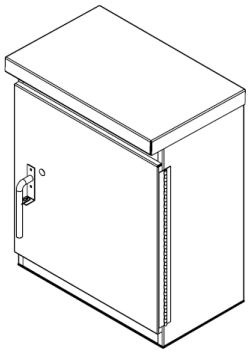
- (5) Sony 360/180 degree cameras. Each surveillance camera will receive its respective license and Support for the Video Management recording system ONSSI.

- High resolution 5 megapixel images with 360-degree hemispheric view
- Advanced dewarping technology for immersive monitoring
- Day or night
- Automatic edge recording to memory card
- IK10-rated anti-vandal resistance
- IP66-rated water-resistant and dust-tight
- Wide operating temperature range

- Built-in microphone and audio output
- Multiple video and audio codecs
- ONVIF (Open Network Video Interface Forum) compliance

Each of the (26) Pole location will receive the following

- (1) NEMA Enclosure with termination equipment for Active equipment requirements for communication to ruggedized recorder within NEMA enclosure.



- (1) Ruggedized 10 Port High Temperature rated Switch by Antaira Model LNP-1002-GN including the GBIC modules Communication to Town Center Park via wireless Backhaul.

- 5.6 Gbps Back-Plane (Switching Fabric)
- Supports Port Based VLAN and IEEE802.1Q Tag VLAN
- IEEE802.1p Class of Service Support
- Quality of Service Supports Port Based, Tag Based, and IPv4 Type of Service
- Xtreme Ring Redundancy Function (<20 ms Recovery Time)
- Supports Rapid Spanning Tree/Spanning Tree
- Supports IGMP v1 and Query Mode. Up to 256 Groups.
- SNMP, Web Management, RMON
- System Event Log
- Management IP Security
- Power Redundancy

The surveillance system will be connected using a wireless infrastructure of Long Haul and Short Haul radios by Carlson Technologies to strategic junction/ aggregation points in order to jump on the City owned network Switches. This will be determined after a proper survey has been conducted, to see the level of interference and available spectrums for a proper wireless infrastructure. Constant power will need to be provided by City at the radio points. The system will be broken out and recorder at City Hall on City provided servers and switches to be able to sustain 30 days of storage at 10FPS using 50% motion detection. Furthermore, the system will then be transmitted back to the newly developed FUSION CENTER and broken out on to client workstations and monitors also provided by the City.

ALPR SYSTEM

ALPR solution to be mounted on the entry/ exit points of strategic intersections, in order to follow vehicles entering the City limits through federal highway.

The plans will clearly depict the location of the ALPR solution, but they are listed as follows below:

1. Federal Highway and Pembroke road South bound lanes and North bound lanes will be covered using the Vigilant Raptor 3 ALPR cameras. All cameras will be mounted using existing City owned poles at the ideal heights per manufacturer specification, using power from the poles. Power is to be constant 24/7 provided by the City. Total ALPR equipment = 4

2. Young Circle will be covered at strategic locations on the 4 corners of the entry/exit into the circle using two (2) Vigilant Raptor 3 ALPR cameras ALPR cameras at each pole location. All cameras will be mounted using existing City owned poles at the ideal heights per manufacturer specification, using power from the poles. Power is to be constant 24/7 provided by the City. Total ALPR equipment = 8

3. Federal Highway and Sheridan South bound and North bound lanes will be covered using the Vigilant Raptor 3 IP ALPR cameras. All cameras will be mounted using existing City owned poles at the ideal heights per manufacturer specification, using power from the poles. Power is to be constant 24/7 provided by the City. Total ALPR equipment = 4

Features - License Plate Query

LEARN allows the user to leverage Vigilant's LPR data in a number of ways, including advanced vehicle location query capabilities. Whether using a known license plate number, full or partial, date/time, and/or a geographical location as input criteria, the user-friendly interface simply and quickly conducts historical and real time queries against the search parameters. Filters can be applied to include or exclude variables such as the source of the LPR data, systems, users, and more. Search criteria may also be saved for later review against incoming (refreshed) data to further enhance the success of any investigation.

License Plate Query Search Page – Basic Search

Geo-zoning allows the user to actively search an area of interest with or without a license plate number. A simple map interface allows the user to draw polygonal shapes to define a region of interest. These user-created geo-zones may be saved for quick reference in a library of target geographical zones, therefore eliminating repetitive re-creation of target maps.

License Plate Query – Sample Geographic Search

Query results include a color overview image of the vehicle, a picture of the license plate, the system's interpretation of the license plate, date and time of the scan, latitude and longitude, as well as the user and system that created the scan. The system also provides a feature that resolves the geographic coordinates to a nearest physical address and nearest intersection which is helpful for situations requiring immediate dispatch.

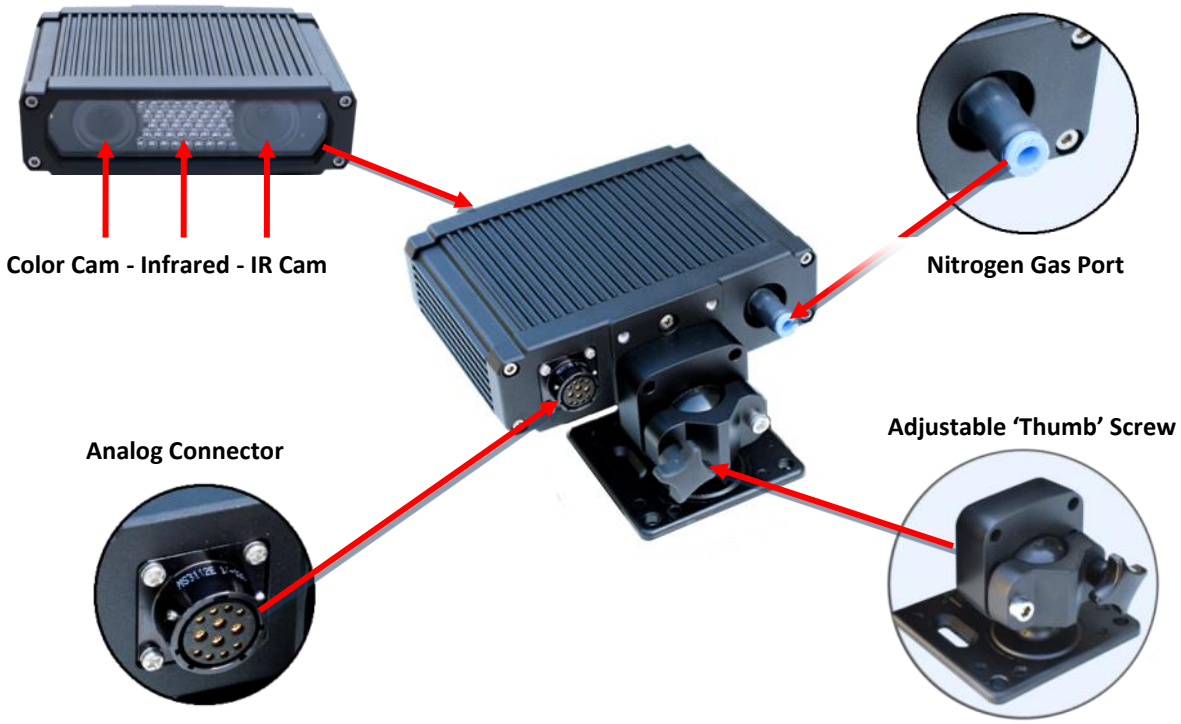
License Plate Query - Search Results

A filmstrip appears at the top of the return page, allowing the user to scroll through the list of color overview photos, and hovering on a photo produces a large image for more thorough inspection of the photograph. Individual or multiple license plate scans may be viewed for further analysis, exported to a PDF or Excel document for inclusion in a case file, or plotted on a map for location and clustering analysis.

Vehicle Detection Report in PDF Format

Vigilant Fixed LPR Image Capture Technology

Vigilant's Fixed LPR Image Capture Technology includes a ruggedized camera and digital signal processing (DSP) unit using analog inputs, for non-proprietary video-feed. The camera is Nitrogen purged to protect internal components from outside atmospheric conditions and prevent condensation inside the camera housing. The camera also includes infrared (IR) light emitting diodes (LED's) for plate illumination thereby eliminating the need for external illumination, as well as a dual-lens camera (IR and color) for both plate and vehicle overview imaging.



With successful LPR camera deployments throughout the United States, Canada and Mexico, Vigilant's camera is ruggedized to meet the variety of climates and environmental conditions seen along the northern and southern borders. Vigilant's LPR cameras are made available with the following operating specifications:

Capture speed maximum	120mph (190kph)
Dimensions	6.9" (W) x 5.2" (L) x 2" (H)
Mounting – Mobile or Fixed	3-axis (Aim Precision) / Lock in place - Low profile / Solid mount
Color	Black Anodized
Weight	2.8 lbs
Watertight	Designed to be IP67 / NEMA4 compliant
Operational temperature	-40ºC to 60ºC | -40ºF to 140ºF
Power consumption	Less than 3.7 W nominal; 6W MAX
Input voltage	6V-16V DC

(8) ALRP NEMA ENCLOSURES

- Hardened Weatherproof Aluminum Enclosure with internal vented thermostat controlled fans
- Cellular or Line of Sight Radio Connectivity Options
- Real Time Hit Alerts via
- Vigilant's TAS Client
- Vetted Remote Monitoring Solution gives quick mapping view of and alerts entire system status via Email, Text, or Twitter for system outages.
- Made in USA construction

Phase II NORTHBEACH CCTV/LPR

The Safeware Team is providing a complete surveillance/ ALPR solution across on North Beach Parking zones as detailed on the walkthroughs and shown on the plans designed and proposed. The system shall consist of adding surveillance CCTV cameras and ALPR equipment to strategic City owned poles, where power is constant. ATCi will work with City Electrician to point out exact location where constant power is needed. For The wireless aggregation point ATCi will install a 50' concrete pole at a strategic location

CCTV SYSTEM

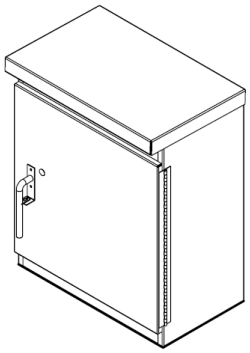
13 Poles broken out with the following equipment:

- (13) Samsung 6200RH Pan Tilt Zoom cameras with adaptive IR illumination Technology. Each surveillance camera will receive its respective license and Support for the Video Management recording system ONSSI.

- Full HD(1080p) image 30fps streaming
  Built-in 20x (4.45~89mm) optical zoom lens
- Min. Illumination 0Lux (IR distance 100m)
- H.264/MJPEG dual codec
- 360° Endless Pan, Tilt/ Zoom
- WDR, UPnP supports
- IP66, IK10 Grade
- Video privacy management supports

Each of the (13) Camera Pole location will receive the following

- (1) NEMA Enclosure with termination equipment for Active equipment requirements for communication to ruggedized recorder within NEMA enclosure.

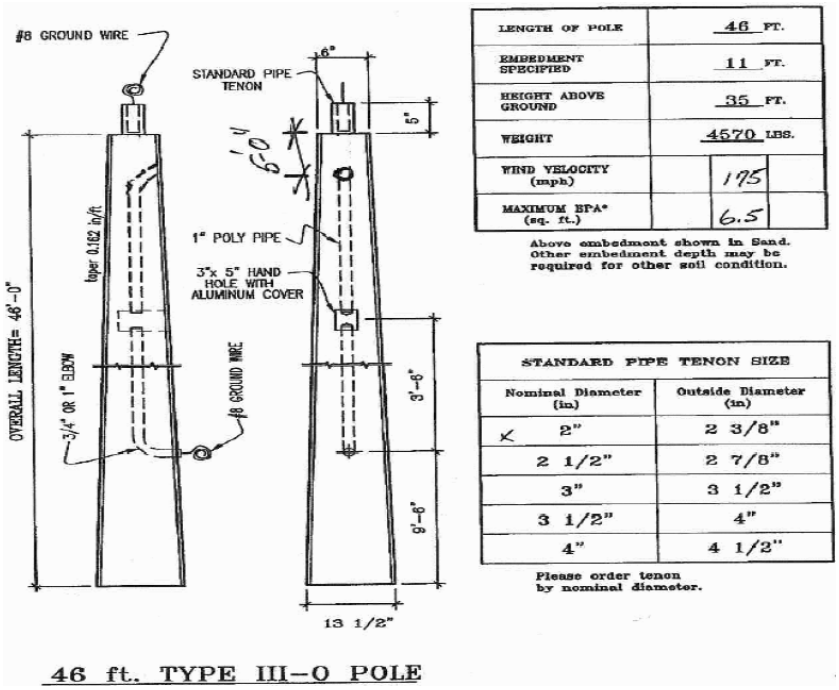


- (1) Ruggedized 10 Port High Temperature rated Switch by Antaira Model LNP-1002-GN including the GBIC modules Communication to Town Center Park via wireless Backhaul.

- 5.6 Gbps Back-Plane (Switching Fabric)
- Supports Port Based VLAN and IEEE802.1Q Tag VLAN
- IEEE802.1p Class of Service Support
- Quality of Service Supports Port Based, Tag Based, and IPv4 Type of Service
- Xtreme Ring Redundancy Function (<20 ms Recovery Time)
- Supports Rapid Spanning Tree/Spanning Tree
- Supports IGMP v1 and Query Mode. Up to 256 Groups.
- SNMP, Web Management, RMON
- System Event Log
- Management IP Security
- Power Redundancy

The surveillance system will be connected using a wireless infrastructure of Long Haul and Short Haul radios by Carlson Technologies to strategic junction/ aggregation points in order to jump on the City owned network Switches. This will be determined after a proper survey has been conducted, to see the level of interference and available spectrums for a proper wireless infrastructure. Constant power will need to be provided by City at the radio points. The system will be broken out and recorder at City Hall on City provided servers and switches to be able to sustain 30 days of storage at 10FPS using 50% motion detection. Furthermore, the system will then be transmitted back to the newly developed FUSION CENTER and broken out on to client workstations and monitors also provided by the City.

- (1) Pre Cast concrete pole by the Safeware Team 50’ height for mounting of wireless aggregation point at the designated location on North Beach for the 13 PTZ cameras. Ideal location to be properly evaluated on site with certified electrician.



46 ft. TYPE III–O POLE

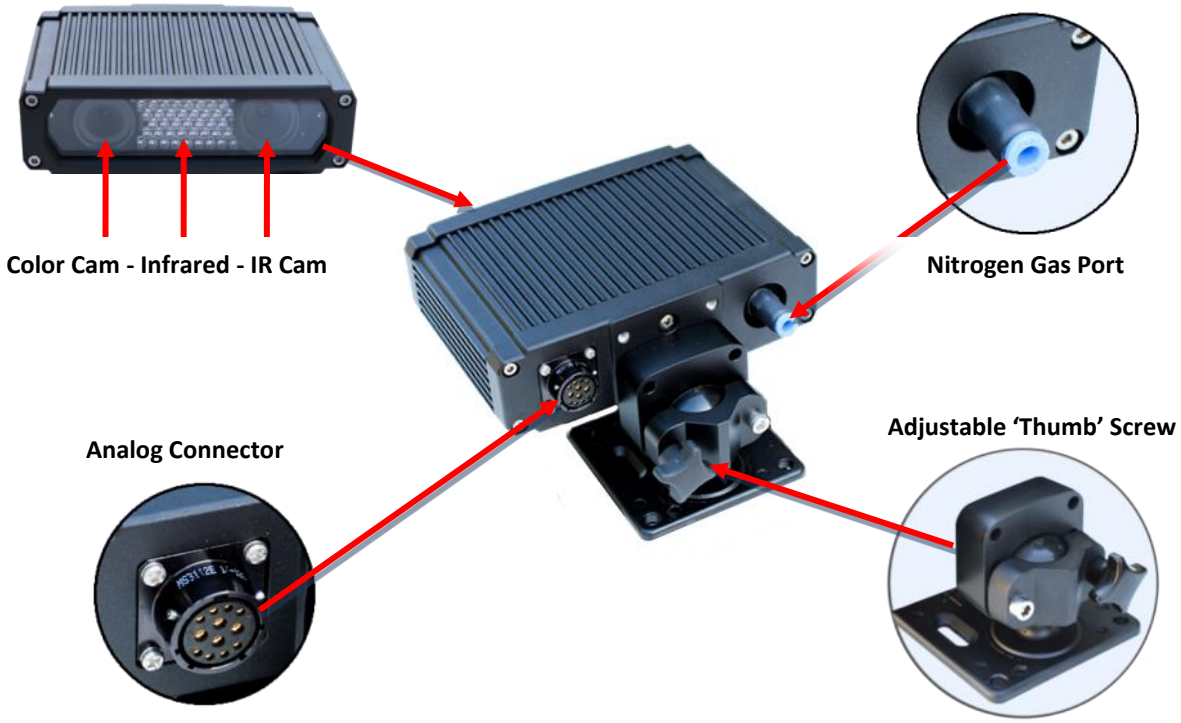
ALPR SYSTEM

ALPR solution to be mounted on the entry/ exit point of North Beach between Sheridan and Dania on Beach Blvd, in order to follow vehicles entering/ exiting the area using AIA as shown on plans

(4) ALPR Vigilant Raptor 3 cameras will be mounted on two City owned poles with power to cover North and South bound traffic lanes on AIA. All cameras will be at the ideal heights per manufacturer specification, using power from the poles. It is noted that power at these two ALPR locations will need to be accompanied by a battery backup system that provides power during day time, as these light are only on during night time hours. During day time the system will operate with the use of the battery pack, while at Night the pack will recharge and power will come directly from pole location. This ALPR system will transmit information using 4G air cards, service provider rates will apply. Total ALPR equipment = 4

Vigilant Fixed LPR Image Capture Technology

Vigilant's Fixed LPR Image Capture Technology includes a ruggedized camera and digital signal processing (DSP) unit using analog inputs, for non-proprietary video-feed. The camera is Nitrogen purged to protect internal components from outside atmospheric conditions and prevent condensation inside the camera housing. The camera also includes infrared (IR) light emitting diodes (LED's) for plate illumination thereby eliminating the need for external illumination, as well as a dual-lens camera (IR and color) for both plate and vehicle overview imaging.



With successful LPR camera deployments throughout the United States, Canada and Mexico, Vigilant's camera is ruggedized to meet the variety of climates and environmental conditions seen along the northern and southern borders. Vigilant's LPR cameras are made available with the following operating specifications:

Capture speed maximum	120mph (190kph)
Dimensions	6.9” (W) x 5.2” (L) x 2” (H)
Mounting – Mobile or Fixed	3-axis (Aim Precision) / Lock in place - Low profile / Solid mount
Color	Black Anodized
Weight	2.8 lbs
Watertight	Designed to be IP67 / NEMA4 compliant
Operational temperature	-40ºC to 60ºC | -40ºF to 140ºF
Power consumption	Less than 3.7 W nominal; 6W MAX
Input voltage	6V-16V DC

(2) ALPR NEMA ENCLOSURES

- Hardened Weatherproof Aluminum Enclosure with internal vented thermostat controlled fans
- Cellular or Line of Sight Radio Connectivity Options
- Real Time Hit Alerts via
- Vigilant’s TAS Client
- Vetted Remote Monitoring Solution gives quick mapping view of and alerts entire system status via Email, Text, or Twitter for system outages.
- Made in USA construction

Phase III DOWNTOWN CCTV

The Safeware Team is providing a complete surveillance solution the Downtown area as detailed on the walkthroughs and shown on the plans designed and proposed. The system shall consist of adding surveillance CCTV cameras and ALPR equipment to strategic City owned poles, where power is constant. The system will have one Pan tilt zoom and one 5 megapixel 180 degree camera at each pole location on the following intersections:

- Hollywood blvd./ 19th Ave
- Hollywood blvd./ 20th Ave
- Hollywood blvd./ 21st Ave
- Harrison Street/ 19th Ave
- Harrison Street/ 20th Ave
- Harrison Street/ 21st Ave

CCTV SYSTEM

(6) Poles broken out with the following equipment:

- (6) Samsung 6200RH Pa-n Tilt Zoom cameras with adaptive IR illumination Technology. Each surveillance camera will receive its respective license and Support for the Video Management recording system ONSSI.

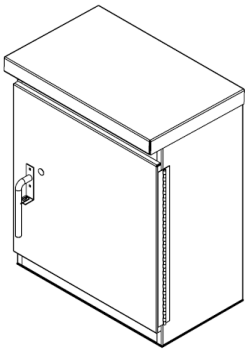
- Full HD(1080p) image 30fps streaming
  Built-in 20x (4.45~89mm) optical zoom lens
- Min. Illumination 0Lux (IR distance 100m)
- H.264/MJPEG dual codec
- 360° Endless Pan, Tilt/ Zoom
- WDR, UPnP supports
- IP66, IK10 Grade
- Video privacy management supports

- (6) Sony 360/180 degree cameras. Each surveillance camera will receive its respective license and Support for the Video Management recording system ONSSI.

- High resolution 5 megapixel images with 360-degree hemispheric view
- Advanced dewarping technology for immersive monitoring
- Day or night
- Automatic edge recording to memory card
- IK10-rated anti-vandal resistance
- IP66-rated water-resistant and dust-tight
- Wide operating temperature range
- Built-in microphone and audio output
- Multiple video and audio codecs
- ONVIF (Open Network Video Interface Forum) compliance

Each of the (6) Pole location will receive the following

- (1) NEMA Enclosure with termination equipment for Active equipment requirements for communication to ruggedized recorder within NEMA enclosure.



- (1) Ruggedized 10 Port High Temperature rated Switch by Antaira Model LNP-1002-GN including the GBIC modules Communication to Town Center Park via wireless Backhaul.

- 5.6 Gbps Back-Plane (Switching Fabric)
- Supports Port Based VLAN and IEEE802.1Q Tag VLAN
- IEEE802.1p Class of Service Support
- Quality of Service Supports Port Based, Tag Based, and IPv4 Type of Service
- Xtreme Ring Redundancy Function (<20 ms Recovery Time)
- Supports Rapid Spanning Tree/Spanning Tree
- Supports IGMP v1 and Query Mode. Up to 256 Groups.
- SNMP, Web Management, RMON
- System Event Log
- Management IP Security
- Power Redundancy
- Easy Configuration Design

The surveillance system will be connected using a wireless infrastructure of Long Haul and Short Haul radios by Carlson Technologies to strategic junction/ aggregation points in order to jump on the City owned network Switches. This will be determined after a proper survey has been conducted, to see the level of interference and available spectrums for a proper wireless infrastructure. The system will be broken out and recorder at City Hall on City provided servers and switches to be able to sustain 30 days of storage at 10FPS using 50% motion detection. Furthermore, the system will then be transmitted back to the newly developed FUSION CENTER and broken out on to client workstations and monitors also provided by the City.

This is a complete turn-key security solution and is being provided at a “firm fixed price” as defined in our line item pricing. The warranty clock on each phase will start after the city has beneficial use of the system on each phase. Payments will be made on a monthly base according to the progress of the project. In closing, Safeware appreciates the trust the City of Hollywood has extended in our team and we feel this security solution will best serve the security and public safety needs of the City of Hollywood.

ACCEPTANCE PAGE

The person or persons below represent that they are authorized to sign and execute this binding agreement. This acceptance indicates understanding of the complete proposal, including clarifications, design, programming, drawings, ownership and software licenses and the Warranty Service Plan, if included as a part of this proposal. This system proposal is intended to provide the customer partial protection of the designated premises. Its design should be understood to represent a compromise between the costs, understood scope of work and customer feedback. Accordingly, such a system may not provide ample protection from all possible threats, and Safeware Team shall not be responsible in such an event.

Payment Terms
This project will be billed as a security/construction project. Payments will be made on a monthly base according to the progress of the project

Under no circumstances may the customer make payments directly to any subcontractor, material supplier, laborer or any other person performing work or furnishing material under the agreement without the prior written consent of Safeware.

Safeware may assign this agreement to any other person, firm or corporation without notice to or approval by the customer and may subcontract any activities which may be performed under this agreement, either voluntarily or by operation of law, without the consent of the customer.

City of Hollywood		**Safeware Inc**	
Authorized Customer Signature	(date)	Authorized Safeware Inc Signature	(June 25, 2014)
Printed Name		Printed Name Peter Van Kirk	
Title		Title Director, Government Security Solutions	
Purchase Order #			