
From: Brad McKeone <BMcKeone@coralsprings.org>
Sent: Friday, May 28, 2021 1:02 PM
To: Schulberg, Kyle <KSCHULBERG@broward.org>
Subject: Commission Notes

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Kyle,

Thanks again for the assistance with this project. Below is a synopsis of where we are at and what we are looking to accomplish with several options.

Real Time Crime Center (RTCC)

- Several agencies, including Coral Springs PD and BSO currently have interoperable real time crime center systems. Other agencies, do not have their own but participate through our centers. This has allowed us to partner with Broward County Schools as well as public private partnerships to have access in real time to video feeds currently in existence. The information is invaluable to protecting the residents of Broward County, increasing officer safety and decreasing response times. We are looking to replicate that concept through partnerships with the Broward County Traffic Engineering and Florida Department of

Transportation.

Option #1

- Install police department hardware (LPR or Surveillance) cameras to existing BCTE infrastructure that runs parallel to any systems in place. We would enter into any MOU necessary for maintenance or repair issues and cover any costs associated with the use of our systems.

Option #2

- Install the same department hardware as in option #1 however this equipment will be completely **non-intrusive** and separate from any BCTE infrastructure. It would only need to be attached to the traffic pole with removable clips. Again an MOU if necessary would be entered into by the department.

Option #3

- Utilize the current video systems in place that detect vehicles for the cycling of traffic control lights. This can be accomplished in several ways. The first is to add if necessary a device (converter) that will transmit the signal to both BCTE and our RTCC. This is already in place throughout the county but not currently installed within the jurisdiction of CS. We would cover the cost associated with this, enhancing BCTE capabilities which is part of future plans but ahead of schedule and reduced or no cost. The second way to accomplish this same option is to install a device that will transmit the signal already being captured on site of each intersection to a “cloud” server that can be accessed by the RTCC. This is currently being used for other projects associated with the RTCC.

Option #4

- Permit the department and City to install our hardware (LPR/Camera) along the ROW or other county maintained assets (light poles, pedestrian crossing pole, etc.)

As you can see, we have a number of options to consider based on the commissions needs and concerns. If possible, I would like to request if there is a possibility of doing a testing and evaluation of an intersection in the City of Coral

Springs so that we can demonstrate how this will work and also make sure operations are not impacted on any level.

Thank you again, I look forward to working with you on this in the future. Enjoy the holiday weekend.

Brad

BRADLEY MCKEONE

Deputy Chief • Police Department

Operations Division/Patrol

<image001.jpg>

bmckeone@coralsprings.org • Phone 954-346-1209 • Fax 954-346-1798

Coral Springs Police Department, Florida • 2801 Coral Springs Dr. •
Coral Springs, Florida 33065

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From: [Palamara, Christopher](#)
To: [Riggio, Michael](#)
Cc: [Molamphy, Greg](#)
Subject: RE: Use of County Poles
Date: Thursday, May 27, 2021 2:33:52 PM
Attachments: [2-Cameras-LED.pdf](#)
[Enclosure-LED.pdf](#)
[MOU-LPR-Use-of-County-Poles-Support.docx](#)

To expand upon John's group response, the two pdfs reflect the two options: Pole and no pole. There is no cost attached. There are two photos of what would be added to the existing BCTC poles. The MOU is the draft we have proposed via the vendor.

CP

From: Riggio, Michael
Sent: Wednesday, May 26, 2021 3:52 PM
To: Molamphy, Greg ; Palamara, Christopher
Subject: Use of County Poles

Greg, Chris

I had a good conversation today w Vice Mayor Udine and some police chiefs.

Please forward me and material you have that would support our request regarding putting cams or LPRs on poles

Michael Riggio

Captain

Threat Management Division
Department of Investigations
Broward County Sheriff's Office

[954.321.4308](tel:954.321.4308) .T

[954.797.0928](tel:954.797.0928) .F

Email: Michael_Riggio@sheriff.org

Please note that Florida has a broad public records law, and that all correspondence to me via email may be subject to disclosure.

2 CAMERA MAXIMUM

RSA

Round Straight Aluminum Pole
No Arm — Direct Buried

RSA12B4-E

CATALOG NUMBER

FINISH

Pole

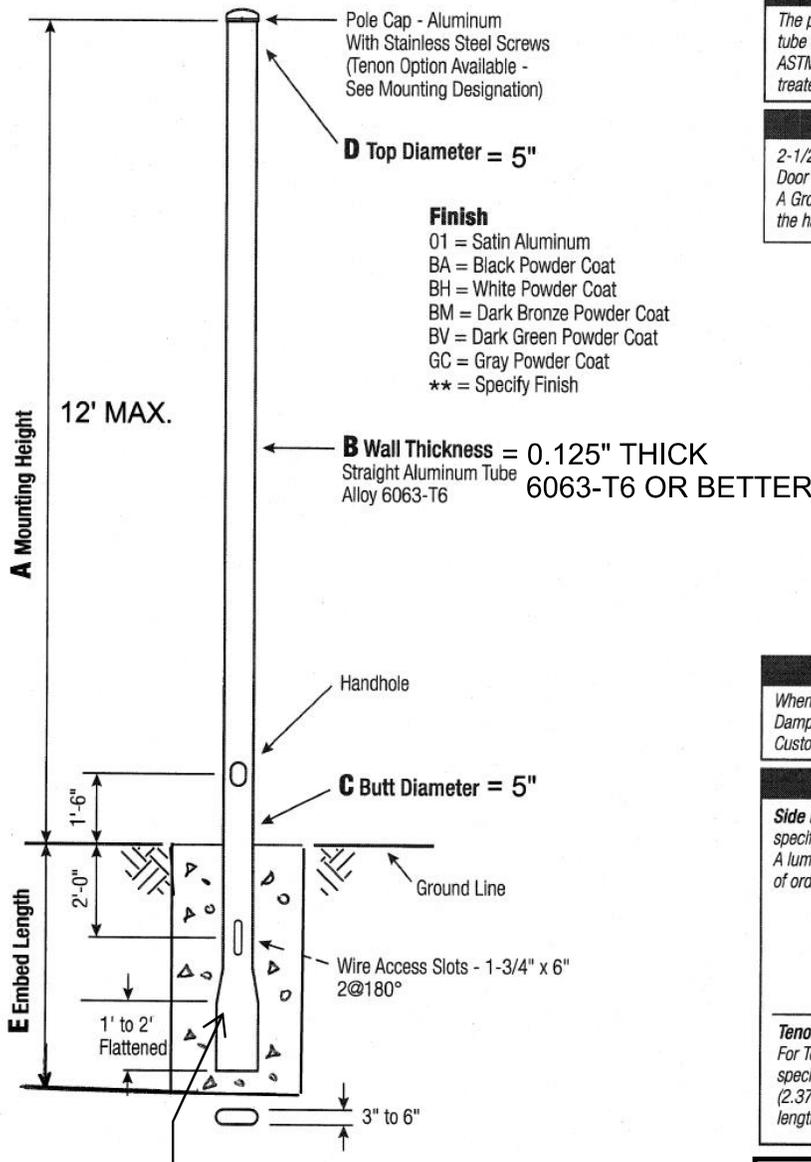
The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated to produce a T6 temper.

Handhole

2-1/2" x 5" Handhole with curved Lap Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision is provided as part of the handhole.

WIND DESIGN CRITERIA PER ASCE7:

Vult = 170 MPH
Vasd = 132 MPH
EXPOSURE CATEGORY: C



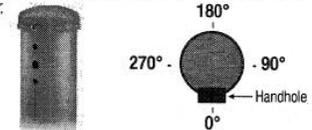
EMBED INTO CONCRETE
MIN. 2'-0" DIAMETER x
4'-10" DEEP

Vibration Damper

When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation

Side Drill Mount - For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.



Tenon Mount

For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.).



MKP ENGINEERING, LLC
CA # 31697
7067 SPICEWOOD LANE
TALLAHASSEE, FL 32312
ENGINEERINGMKP@GMAIL.COM

This item has been digitally signed and sealed by Mary K Persson. Printed copies of this document are not considered signed and sealed and the signature must be verified on an electric copies.

DATE SEALED: 12/19/18



Astro-Brac, Stellar Series Clamp Kit, Cable Mount

AS-3009 - - -

Cable Length Cable Coating

See Note Blank=Galv PNC=Process No Color
SS=Stainless P_ =Paint

Note:
Cable Length: 62", 84", 96", 110", 120", 132", 144", 220", or 280".



Astro Mini-Brac Clamp Kit, Cable Mount, 1-1/2" NPS

AB-0160 - -

Cable Length Coating

See Note PNC=Process No Color
P_ =Paint

Note:
Cable Length: 45", 62", or 84".
Stainless steel upgrade available; includes stainless cable.
Specify by including -SS in the part number, i.e., AB-0160-45-SS-PNC.

Side-of-Pole Mounting
Vehicular or Pedestrian Signals



All Thread Nipple, 1-1/2" NPS, Alum



SE-0309 - - PNC

Length

02.13=2-1/8"
02.5=2-1/2"
03=3"
04=4"
04.5=4-1/2"
05=5"
06=6"

Hub Plate, Flat Back, 1-1/2" NPS, Alum



SE-0415 -

Coating

PNC=Process No Color
P_ =Paint

Mary K Persson, State of Florida Professional Engineer, License No. 67436
This item has been digitally signed and sealed by Mary K Persson. Printed copies of this document are not considered signed and sealed and the signature must be verified on an electric copies.

DATE SEALED: 12/19/18

MKP ENGINEERING, LLC
CA # 31697
7067 SPICEWOOD LANE
TALLAHASSEE, FL 32312
ENGINEERINGMKP@GMAIL.COM



Multi-Camera LPR Enclosure



- DOT Class 11, NEMA 3R, Aluminum Enclosure:
 - 14" x 12" x 8", 221lbs.
- Multiple Enclosure Mounting Options
 - Standard Stainless Steel (Banded) or Pelco Stellar
- Industrial 24 VDC Power Supply
- Remote Management and Maintenance Module
- Industrial 5 Port PoE (30W per port)
- LTE Router/Firewall w/WiFi "Bubble," and GPS
- Intel i5 7th Gen, 8GB RAM, 256 GB SSD, Win 10 64 bit IoT
- 2 x Temperature Controlled Cooling Fans
- HI Performance Antenna
- Pre-Configured for "Just Add Power" deployment
- Options - Bridge Enclosure (Multi-Lane Intersection Coverage)
 - Fiber Optic Connections
 - Radio Frequency (RF) Connectivity

RELIABLE

REMOTE MANAGEMENT

PRE-CONFIGURED

Vetted Security Solutions is offering a complete line of "turnkey" license plate reader (LPR) enclosures for all deployment scenarios. All components are and tested to the higher specifications prior to deployment to ensure rapid installation and full functionality. These enclosures have been using tested components that perform in the harshest environmental conditions day after day. Pre-configured for all scenarios; they can be remotely monitored and individual components can be added and removed to suit a variety of deployment scenarios. Built to last, but they do not require a master technician to keep them running. In fact, if a component fails it can be replaced and the system back up and running with a little technical expertise.



Protecting Officers,
Families and Communities

Reaper ANPR / LPR Camera

Key Features

- Single cable Power-over-Ethernet installation
- Low-profile, Compact, Dual-lens (infrared and color) ANPR / ALPR Camera with integral processor
- Low power consumption at <8W average
- Automated speed calculation
- Outdoor rated, IP67, NEMA4
- Full-featured and well documented API
- Dynamic LPR camera control via Ethernet
- Point Control (aim precision)

Product Description

Vigilant Solutions' Reaper Series camera is a low-profile, compact, ANPR / LPR camera and integrated processing unit for use in both mobile and fixed LPR applications. The Reaper is environmentally sound (IP67) and friendly (<8W average power), easy to install and deploy (single PoE cable), and feature rich (direct connection to LEARN, speed calculation, ONVIF compliant video stream).

Specifications

Camera Performance			
Lens	Part#	Nominal Focal Length	Capture Range
50mm	VSR2-01-975	65 ft / 19.8 m	54-65 ft / 16.5-19.8 m
35mm	VSR2-01-950	43 ft / 13.1 m	27-43 ft / 8.2-13.1 m
25mm	VSR2-01-935	31 ft / 9.4 m	19-31 ft / 5.8-9.4 m
16mm	VSR2-01-925	20 ft / 6.1 m	13-20 ft / 4.0-6.1 m
12mm	VSR2-01-916	14 ft / 4.3 m	10-14 ft / 3.0-4.3 m

Above distances may vary depending on plate mounting, and also for horizontal/vertical angles > 00

Capture speed maximum	120mph (190kph)
Optics	
Window	Shatterproof window
Sensor	1/3" CMOS
Housing	
Size (WxLxH)	6.9 x 6.5 x 2 in / 175 x 165 x 51 mm
Mounting – Mobile/Fixed	3-axis (Aim Precision) / Lock in place Low profile / Solid mount
Color	Matte Black
Weight	3.5 lbs / 1.6 kg
Environmental	
Environmental Protection	IP67 / NEMA4 compliant
Operational temperature	-40°C to 60°C -40°F to 140°F
Connector	M12 8 pin X-coded female circular connector
Electrical	
Power consumption	Less than 8 W nominal; 12 W MAX
Input voltage	POE+ (IEEE802.3at PD)
Engine crank	Operational during vehicle start-up at 6V (100 ms) voltage dip, 10V (2 sec)
Cable Management	
Cable length	9.8 ft (3 m)
Type	Cat5e or Cat6
Connector	M12 8 pin X-coded male connector (camera end) RJ45 (injector end)

Product Images



Reaper Interface Box
(Accommodates up to 4 cameras)

Applications

- Law enforcement
- Parking & Access Control
- Airport security
- Traffic monitoring / data collection
- Border security
- Vehicle surveillance
- Retail security / intelligence
- Toll violation enforcement
- Journey time measurement
- Intelligent Transportation (ITS)



Vigilant Solutions, Inc.
2021 Las Positas Court - Suite # 101
Livermore, CA. 94551

Email:
sales@vigilantsolutions.com
support@vigilantsolutions.com

www.vigilantsolutions.com

AB-0280/AB-0320
Cable Kit



AB-0256
V-Bolt Kit

Astro-Brac, Stellar Series Clamp Kit, Cable Mount

AS-3009 - - -

Cable Length Cable Coating

See Note Blank=Galv PNC=Process No Color
SS=Stainless P__=Paint

Note:
Cable Length: 62", 84", 96", 110", 120", 132", 144", 220", or 280".

AB-0336 / AB-0337
Cable Kit



Astro Mini-Brac Clamp Kit, Cable Mount, 1-1/2" NPS

AB-0160 - -

Cable Length Coating

See Note PNC=Process No Color
P__=Paint

Note:
Cable Length: 45", 62", or 84".
Stainless steel upgrade available: includes stainless cable.
Specify by including -SS in the part number, i.e., AB-0160-45-SS-PNC.

Side-of-Pole Mounting
Vehicular or Pedestrian Signals



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SE-0309 - - PNC

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Hub Plate, Flat Back, 1-1/2" NPS, Alum



SE-0415 -

Coating

PNC=Process No Color
P__=Paint





INTERLOCAL AGREEMENT BETWEEN BROWARD COUNTY AND _____ FOR THE INSTALLATION OF LICENSE PLATE READERS ON TRAFFIC SIGNAL SUPPORT STRUCTURES.

THIS INTERLOCAL AGREEMENT (“AGREEMENT”) is made and entered into this ___ day of _____, 20___ by and between **BROWARD COUNTY**, a political subdivision of the State of Florida, by and through its Board of County Commissioners (“**COUNTY**”), and _____, (“**APPLICANT**”), a Florida municipal corporation, whose address is _____, (individually “**Party**” and collectively “**Parties**”).

WITNESSETH:

WHEREAS, COUNTY and APPLICANT are authorized to enter into this AGREEMENT pursuant to Section 163.06 of the Florida Statutes, as amended, which allows local governmental units to make the most efficient use of their powers by enabling them to cooperate on the basis of mutual advantage; and

WHEREAS, the COUNTY maintains and operates traffic signals, including traffic signal support structures, within the COUNTY limits; and

WHEREAS, the APPLICANT wishes to install vehicle license plate readers (“LPR”) on COUNTY maintained traffic signal support structures (“SIGNAL SUPPORT”) located within the COUNTY; and

WHEREAS, the COUNTY believes that the efforts by the APPLICANT to install LPR on public infrastructure serve a public purpose to enhance the safety and security of the public ; and

WHEREAS, the COUNTY and APPLICANT wish to enter into this Agreement to establish the criteria and requirements associated with the installation of LPR on SIGNAL SUPPORT.

NOW, THEREFORE, in consideration of the mutual representations, terms, and covenants contained herein, the Parties hereto agree as follows:

1. The above recitations are true and correct and incorporated herein.
2. APPLICANT shall present the proposed method of installation of LPR to COUNTY for its review and approval and shall install according to those approved methods.

- a. APPLICANT shall present to COUNTY the location of each proposed LPR as a sketch on COUNTY traffic signal plan. The sketch will show method of LPR attachment to SIGNAL SUPPORT and location of power supply.
- b. LPR shall be installed in such a manner as to not interfere with the operation and maintenance of the SIGNAL SUPPORT or any signal equipment attached to SIGNAL SUPPORT.
- c. LPR shall be installed in such a manner as to not obstruct access to signal equipment
- d. LPR shall be installed in such a manner that it is easily removable, without causing any damage to SIGNAL SUPPORT, and may not be permanently affixed to SIGNAL SUPPORT.
- e. COUNTY can at its discretion provide usage of existing underground conduit as long as space exist in conduit. APPLICANT assumes all cost associated with using approved subcontractor with correct certifications). APPLICANT assumes all liability and cost associated with using conduit.
- f. COUNTY can at its discretion provide access to spare pairs or pull lines if available. Spare pairs defined as unused power cable run to base of each pole at intersection from traffic box. APPLICANT is responsible for providing power independent from SIGNAL and is responsible for ensuring power is isolated from SIGNAL power.

3. APPLICANT is solely responsible for all costs associated with installation, operation, maintenance, power supply, power charges, repair, replacement, and removal of LPR.

4. APPLICANT is expressly prohibited and not authorized to use any of the power supply from the SIGNAL SUPPORT or any part thereof.

5. COUNTY is not responsible for any damage to LPR that may be caused by the COUNTY's operations or maintenance in or round the COUNTY's signal equipment attached to SIGNAL SUPPORT. APPLICANT is solely responsible for restoring the SIGNAL SUPPORT to its original condition.

6. COUNTY shall have the right to remove or request that the APPLICANT remove the LPR. When feasible, the COUNTY will provide the APPLICANT thirty (30) calendar days-notice that LPR must be removed.

7. Under no circumstances shall the COUNTY incur any cost related to the LPR or this AGREEMENT

8. Should the COUNTY have to remove the LPR and/or repair damage to COUNTY facilities under any circumstance, the APPLICANT shall be responsible for all costs. The COUNTY will invoice the APPLICANT for any and all costs associated with the removal of the

LPR. The APPLICANT shall submit full payment to the COUNTY within 30 days of the date of the COUNTY's invoice. The APPLICANT will not be permitted to install any additional LPR on any SIGNAL SUPPORT until any and all outstanding costs and invoices have been fully paid to the COUNTY.

9. APPLICANT shall immediately notify the COUNTY as soon as any LPR is no longer in use, and shall immediately remove any unused LPR from SIGNAL SUPPORT.

10. This AGREEMENT may be canceled by the COUNTY or APPLICANT for any reason after sixty (60) days written notice has been provided to the other party. Upon receipt of written notification, all LPR will be removed from SIGNAL SUPPORT, any repairs will be made, and the COUNTY shall be relieved of any further obligation.

11. COUNTY Traffic Division shall be contacted 48 hours before commencement of work. APPLICANT assumes full responsibility to maintain all areas under construction safe for the public and to properly route and direct traffic through the work/construction area. All traffic control operations shall be done in accordance with the current Manual on Uniform Traffic Control Devices (Part VI). Supplements to this manual are the Florida Department of Transportation's Roadway and Traffic Design Standards (Index 600) and Standard Specifications for Road and Bridge Construction (latest edition). All work shall be done Monday through Friday and no obstruction of the travel lanes between 7 a.m. to 9 a.m. and 3 p.m. to 6 p.m., unless approved by the COUNTY Traffic Engineering Division. Weekend work shall be approved by COUNTY 48 hours before Saturday. No time restrictions for local and subdivision roads, or for construction done Saturday or Sunday. Notice shall be sent to:

Broward County Highway
Construction and Engineering
Address: 1 N. University Drive Plantation 33324

Tel: 954-577-4555

12. APPLICANT understands and agrees that the rights and privileges herein set out are granted only to the extent of the COUNTY's right, title and interest in the property to be entered upon and used by APPLICANT. APPLICANT WILL AT ALL TIMES ASSUME ALL RISK.

13. Pursuant to Florida Statute 336.048 (Temporary closing traveling lane of road), whenever any road on the county road or city street system is repaired, reconstructed, or otherwise altered in a manner that necessitates the closing of one or more traveling lanes of the road for a period of time exceeding 2 hours, the party performing such work shall give notice to the

appropriate local law enforcement agency within whose jurisdiction such road is located prior to commencing work on the project. However, when the closing of one or more lanes is required because of emergency conditions, such notice shall be waived.

14. APPLICANT hereby acknowledges the COUNTY'S right to inspect the area(s) governed by this AGREEMENT at any time to assure compliance with this AGREEMENT and all plans and specifications. All reviews, however, shall be performed at the COUNTY'S discretion and are strictly to assure compliance with this AGREEMENT and project plans and specifications. APPLICANT HEREBY ACKNOWLEDGES THAT THE COUNTY VIA SAID REVIEWS IS NOT THE EMPLOYER, SUPERVISOR, PRINCIPAL OR AGENT OF APPLICANT. APPLICANT is at all times an independent contractor with full responsibility for all obligations and responsibilities imposed under this AGREEMENT and imposed by law.

15. If a County maintained Thoroughfare Plan Road is cut open, APPLICANT shall adhere to the procedures in Land Development Division PPM EL-O-3605, including Form 3605.1 (Open Cut Restoration for Thoroughfare Plan Roads). If a Non-Thoroughfare Plan Road is cut open, APPLICANT shall adhere to Land Development Division PPM EL-O-3606, including Form 3606.1 (Open Cut Restoration for Non-Thoroughfare Plan Roads).

16. If an asphalt driveway is cut and patched, the entire driveway shall be overlaid with a minimum one inch of asphalt, or entirely replaced. If a concrete driveway is cut, it shall be entirely replaced. Replacement area is from the intersecting road to the property line.

17. All areas in the right-of-way shall be left in a condition equal to or better than existed prior to construction. Shoulders disturbed within 8 feet of the edge of pavement shall be stabilized a minimum 50 PSI Florida Bearing Value, 6 inches in depth. Existing drainage shall not be impeded. Sidewalk areas disturbed during construction shall be maintained until repaved.

18. APPLICANT certifies notification has or will be given at least 48 hours (excluding Saturday, Sundays and legal holidays) prior to starting excavation, to anyone having the right to bury gas pipe line within the public or private street, alley, right-of-way or gas utility easement for purposes of obtaining information concerning the possible location of gas pipe lines in the area of proposed excavation.

19. APPLICANT shall provide and install pavement markings (thermoplastic, unless approved otherwise by COUNTY Traffic Engineer), and reflective pavement markers in accordance with Broward County Traffic Division's latest Typicals for Pavement Markings, Signing and Geometrics.

20. If traffic signalization equipment is in the area of construction, notify COUNTY at 954-577-4555. Do not disturb any material within six feet of a traffic signal pole or a guy wire and anchor. If any damage to the equipment occurs during construction, it shall be repaired by Traffic Operations at APPLICANT's expense.

21. If previously approved construction is underway in the same location as indicated on a location approved under this AGREEMENT, APPLICANT shall obtain permission to work from the contractor doing the underway construction. If not granted, the construction under this AGREEMENT shall not be done until the underway construction is finalized by the Broward County Construction Coordination Division.

22. When plastic pipe is permitted for boring, it shall meet the standards as set forth in the latest Florida Department of Transportation Design Standards.

23. For all underground installation provide a minimum cover of 36 inches in the right-of-way of Thoroughfare Plan Roads and a minimum of 30 inches for all others. Maintain a minimum clearance of 12 inches over or under drainage facilities.

24. The permittee shall be responsible for coordinating the installation of LPR with existing utilities/cable TV. Should damage occur to the existing utility/cable TV facilities during installation or in the future due to LPR, APPLICANT shall be responsible for repair costs.

25. This AGREEMENT does not in any way create any rights on the part of the APPLICANT to obtain a permit from a state or federal agency and does not create any liability on the part of the COUNTY for signing this AGREEMENT if APPLICANT fails to obtain requisite approvals or fulfill the obligations imposed by a state or federal agency or undertakes actions that result in a violation of state or federal law.

26. Insurance. APPLICANT shall provide, pay for and maintain satisfactory to COUNTY the types of insurance described herein. All insurance shall be from responsible companies duly authorized to do business in the State of Florida and having a rating reasonably acceptable to COUNTY. All liability policies shall provide that COUNTY is an additional insured as to the activities under this AGREEMENT. The required coverages must be evidenced by properly executed Certificates of Insurance forms. The Certificates must be signed by the authorized representative of the insurance company and shall be filed and maintained with COUNTY annually. Thirty (30) days advance written notice by registered, certified or regular mail or facsimile as determined by COUNTY must be given to COUNTY of any cancellation, intent not to renew or reduction in the policy coverages. The insurance requirements may be satisfied by

evidence of self-insurance or other types of insurance acceptable to COUNTY. The limits of coverage of insurance required shall be not less than the following:

- a. Worker's Compensation and Employer's Liability Insurance Worker's Compensation - Florida Statutory Requirements Employer's Liability
 - \$100,000 each accident
 - \$500,000 disease--policy limit
 - \$100,000 disease--each employee

- b. Comprehensive General Liability Bodily injury and property damage
 - \$1,000,000 each occurrence
 - \$3,000,000 general aggregate

- c. Automobile Liability
 - Bodily injury and property damage
 - \$1,000,000 combined single limit each accident.

27. All notices or inquiries required or allowed by this AGREEMENT shall be delivered in person or mailed by Certified Mail, Return Receipt Requested, with sufficient postage affixed, to the party to whom such notice is to be given. Notices are to be sent to the following locations:

As to the activities of the COUNTY and APPLICANT:

BROWARD COUNTY:

With a copy to:

APPLICANT:

Attn: _____

28. In the event that any section, paragraph, sentence, clause, or provision hereof be held by a court of competent jurisdiction to be invalid, such shall not affect the remaining portions of this Agreement and the same shall remain in full force and effect.

29. This AGREEMENT represents the entire understanding between the parties, and supersedes all other negotiations, representations, or agreements, written or oral, relating to this AGREEMENT.

30. Any costs or expenses including reasonable attorney's fees associated with the enforcement of the terms or conditions of this AGREEMENT shall be borne by the respective parties.

31. This AGREEMENT shall be governed by and in accordance with the laws of the State of Florida. Any legal action necessary to enforce this AGREEMENT shall be held in Broward County. No remedy herein conferred upon any party is intended to be exclusive of any other remedy and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity by statute or otherwise. No single or partial exercise by any party of any right, power or remedy hereunder shall preclude any other or further exercise thereof.

32. APPLICANT shall maintain books, records and documents to justify all charges, expenses and costs incurred under this AGREEMENT.

33. APPLICANT shall protect, defend, reimburse, indemnify and hold the COUNTY, its agents, employees and elected officers free and harmless from and against any and all claims, liability, expenses, losses, costs, fines and damages or causes of action of every kind or character including attorney's fees, whether at trial or appellate levels or otherwise arising during and as a result of the APPLICANT's performance of the terms of this AGREEMENT or due to the acts or omissions of the APPLICANT. The APPLICANT's aforesaid indemnity and hold harmless obligations shall apply to the fullest extent permitted by law. Notwithstanding the foregoing, nothing set forth in this paragraph shall constitute a waiver of sovereign immunity beyond the limits set forth at Section 768.28, Florida Statutes. This paragraph shall survive the expiration or termination of this AGREEMENT.

34. The Parties agree that neither party conducts business with nor appropriate funds to any entity that practices discrimination on the basis or race, color, national origin, disability, religion, ancestry, sex, age, familia status, marital status, sexual orientation, gender identity or expression, disability, or genetic information.

35. APPLICANT is, and shall be, in the performance of all work, services and activities under this AGREEMENT, an independent contractor and not an employee, agent or servant of the COUNTY. All persons engaged in any of the work or services performed pursuant to the AGREEMENT shall at all times in all places be subject to the APPLICANT's sole direction, supervision, and control. The APPLICANT shall exercise control over the means and manner in which its employees, agents or contractors perform the work in all respects. The APPLICANT's

relationship and the relationship of its employees, agents or contractors to the COUNTY shall be that of an independent contractor and not as employees or agents of the COUNTY.

36. This AGREEMENT may be executed in one or more counterparts, each of which shall be deemed an original.

37. APPLICANT shall abide by all applicable federal, state and local laws, orders, rules and regulations when performing under this AGREEMENT. The APPLICANT further agrees to include this provision in all contracts issued as a result of this AGREEMENT.

38. As provided in F.S 287.132-133, as may be amended from time to time, by entering into this AGREEMENT or performing any work in furtherance hereof, the APPLICANT shall have its contractors certify that their affiliates, suppliers, subcontractors, and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within thirty-six (36) months immediately preceding the date hereof.

39. The preparation of this AGREEMENT has been a joint effort of the parties, and the resulting document shall not, solely as a matter of judicial constrain, be construed more severely against one of the parties than the other.

40. Neither the COUNTY nor the APPLICANT shall assign, sublet, convey or transfer its interest in this AGREEMENT without the prior written consent of the other.

41. Except as expressly permitted herein to the contrary, no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and equality of dignity herewith. Except that either party may from time to time change the address to which notice under this AGREEMENT shall be given upon three (3) days prior written notice to the other party.

42. COUNTY has established the Office of the Inspector General in Broward County Code, Section 2-421 – 2-440, as may be amended. The Inspector General's authority includes but is not limited to the power to review past, present and proposed County contracts, transactions, accounts and records to require the production of records, and to audit, investigate, monitor, and inspect the activities of the APPLICANT, its officers, agents, employees, and lobbyists in order to ensure compliance with contract requirements and detect corruption and fraud. Failure to cooperate with the Inspector General or interfering with or impeding any investigation shall be a violation of Broward County Code, and punished pursuant to Section 125.69, Florida Statutes, in the same manner as a second-degree misdemeanor.

43. No provision of this AGREEMENT is intended to, or shall be construed to, create any third party beneficiary or to provide any rights to any person or entity not a party to this AGREEMENT, including, but not limited to, any citizen or employees of the COUNTY and/or the APPLICANT.

44. This AGREEMENT shall become effective immediately upon the execution by both parties and upon filing with the Clerk of the Circuit Court of Broward County, Florida.

EXECUTED by APPLICANT this _____ day of _____, 20_____.

(APPLICANT Seal)

ATTEST:

BY: _____

(Print Name/Title)

BY: _____
(Signature) (Signature)

(Print Name/Title)

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS
AND CONDITIONS

BY: _____
(Signature)

(Print Name/Title)

BY: _____
(Signature)

(Print Name/Title)

EXECUTED by COUNTY this _____ day of _____, 20_____.

(COUNTY Seal)

ATTEST:

Broward County, Florida
by its Board of County Commissioners

By: _____

By:

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS
AND CONDITIONS

By: _____

By: _____

From: [Sebest, John](#)
To: [Riggio, Michael](#); [Schnakenberg, Robert](#); [Molamphy, Greg](#); [Palamara, Christopher](#); [Murphy, John](#); [Etter, Joseph](#); [Bove, Lesley](#); [Adkins, Wayne](#); [Irvin II, Timothy](#); [Granville, Kevin](#); [Russo, Aimee](#); [Lynch, Terrence](#); [Futch, Lee](#)
Subject: RE: Use of County Traffic Poles to Hang Cameras and LPRs
Date: Thursday, May 27, 2021 10:43:55 AM
Attachments: [image002.png](#)
[image002.png](#)
[Enclosure - 2021-05-27-10:43:55 AM - LPRs.PDF](#)
[2-Camera Package SEBEST.pdf](#)

As requested, the PDF attachments show the DOT approved equipment for mounting ALPR's. JPEG Images attached, display existing infrastructure appropriated, utilized by University of Florida. Sample MOU's acquired from other agencies can be supplied if needed.

Detective John Sebest

Broward Sheriff's Office

Deerfield Beach Operational & Tactical Intelligence Center

300 N.E. 2nd Street, Deerfield Beach, Florida 33441

Office (954) 520-3470 / Fax (954) 480-4286



From: Riggio, Michael

Sent: Thursday, May 27, 2021 9:53 AM

To: Schnakenberg, Robert ; Molamphy, Greg ; Palamara, Christopher ; Sebest, John ; Murphy, John ; Etter, Joseph ; Bove, Lesley ; Adkins, Wayne ; Irvin II, Timothy ; Granville, Kevin ; Russo, Aimee ; Lynch, Terrence ; Futch, Lee ; Muffler, Stephen ; Rorapaugh, Robin

Cc: Riggio, Michael

Subject: Use of County Traffic Poles to Hang Cameras and LPRs

Good Morning All,

Yesterday afternoon I participated in a Zoom meeting with Broward County Vice Mayor Michael Udine, WMPD Chief Gary Blocker, FLPD Assistant Chief Luis Alvarez, and CSPD Deputy Chief Brad McKeone to discuss allowing Broward County law enforcement agencies access to county traffic poles to mount cameras and license plate readers (LPRs). Collectively, many of us have been trying to get this done for a few years and it has been a slow process.

Vice Mayor Udine was very supportive of our needs and will have this topic added to the June 15th Commission Meeting as an open discussion item. He sees no reason why all Commissioners wouldn't be for this. We are supplying him background material. If this is finally approved it would end up saving us thousands of tax payer dollars and allow us to buy more equipment to help our crime fighting mission.

I will keep everyone updated.

Thx

Mike

Michael Riggio

Captain

Threat Management Division

Department of Investigations

Broward County Sheriff's Office

[954.321.4308](tel:954.321.4308) .T

[954.797.0928](tel:954.797.0928) .F

Please note that Florida has a broad public records law, and that all correspondence sent to me via email may be subject to disclosure.



Multi-Camera LPR Enclosure



- DOT Class 11, NEMA 3R, Aluminum Enclosure:
 - 14" x 12" x 8", 221bs.
- Multiple Enclosure Mounting Options
 - Standard Stainless Steel (Banded) or Pelco Stellar
- Industrial 24 VDC Power Supply
- Remote Management and Maintenance Module
- Industrial 5 Port PoE (30W per port)
- LTE Router/Firewall w/WiFi "Bubble," and GPS
- Intel i5 7th Gen, 8GB RAM, 256 GB SSD, Win 10 64 bit IoT
- 2 x Temperature Controlled Cooling Fans
- HI Performance Antenna
- Pre-Configured for "Just Add Power" deployment
- Options - Bridge Enclosure (Multi-Lane Intersection Coverage)
 - Fiber Optic Connections
 - Radio Frequency (RF) Connectivity

RELIABLE

REMOTE MANAGEMENT

PRE-CONFIGURED

Vetted Security Solutions is offering a complete line of "turnkey" license plate reader (LPR) enclosures for all deployment scenarios. All components are and tested to the higher specifications prior to deployment to ensure rapid installation and full functionality. These enclosures have been using tested components that perform in the harshest environmental conditions day after day. Pre-configured for all scenarios; they can be remotely monitored and individual components can be added and removed to suit a variety of deployment scenarios. Built to last, but they do not require a master technician to keep them running. In fact, if a component fails it can be replaced and the system back up and running with a little technical expertise.



Protecting Officers,
Families and Communities

Reaper ANPR / LPR Camera

Key Features

- Single cable Power-over-Ethernet installation
- Low-profile, Compact, Dual-lens (infrared and color) ANPR / ALPR Camera with integral processor
- Low power consumption at <8W average
- Automated speed calculation
- Outdoor rated, IP67, NEMA4
- Full-featured and well documented API
- Dynamic LPR camera control via Ethernet
- Point Control (aim precision)

Product Description

Vigilant Solutions' Reaper Series camera is a low-profile, compact, ANPR / LPR camera and integrated processing unit for use in both mobile and fixed LPR applications. The Reaper is environmentally sound (IP67) and friendly (<8W average power), easy to install and deploy (single PoE cable), and feature rich (direct connection to LEARN, speed calculation, ONVIF compliant video stream).

Specifications

Camera Performance			
Lens	Part#	Nominal Focal Length	Capture Range
50mm	VSR2-01-975	65 ft / 19.8 m	54-65 ft / 16.5-19.8 m
35mm	VSR2-01-950	43 ft / 13.1 m	27-43 ft / 8.2-13.1 m
25mm	VSR2-01-935	31 ft / 9.4 m	19-31 ft / 5.8-9.4 m
16mm	VSR2-01-925	20 ft / 6.1 m	13-20 ft / 4.0-6.1 m
12mm	VSR2-01-916	14 ft / 4.3 m	10-14 ft / 3.0-4.3 m

Above distances may vary depending on plate mounting, and also for horizontal/vertical angles > 00

Capture speed maximum	120mph (190kph)
Optics	
Window	Shatterproof window
Sensor	1/3" CMOS
Housing	
Size (WxLxH)	6.9 x 6.5 x 2 in / 175 x 165 x 51 mm
Mounting – Mobile/Fixed	3-axis (Aim Precision) / Lock in place Low profile / Solid mount
Color	Matte Black
Weight	3.5 lbs / 1.6 kg
Environmental	
Environmental Protection	IP67 / NEMA4 compliant
Operational temperature	-40°C to 60°C -40°F to 140°F
Connector	M12 8 pin X-coded female circular connector
Electrical	
Power consumption	Less than 8 W nominal; 12 W MAX
Input voltage	POE+ (IEEE802.3at PD)
Engine crank	Operational during vehicle start-up at 6V (100 ms) voltage dip, 10V (2 sec)
Cable Management	
Cable length	9.8 ft (3 m)
Type	Cat5e or Cat6
Connector	M12 8 pin X-coded male connector (camera end) RJ45 (injector end)

Product Images



Reaper Interface Box
(Accommodates up to 4 cameras)

Applications

- Law enforcement
- Parking & Access Control
- Airport security
- Traffic monitoring / data collection
- Border security
- Vehicle surveillance
- Retail security / intelligence
- Toll violation enforcement
- Journey time measurement
- Intelligent Transportation (ITS)



Vigilant Solutions, Inc.
2021 Las Positas Court - Suite # 101
Livermore, CA. 94551

Email:
sales@vigilantsolutions.com
support@vigilantsolutions.com

www.vigilantsolutions.com

AB-0280/AB-0320
Cable Kit



AB-0256
V-Bolt Kit

Astro-Brac, Stellar Series Clamp Kit, Cable Mount

AS-3009 - - -

See Note Blank=Galv PNC=Process No Color
 SS=Stainless P__=Paint

Note:
Cable Length: 62", 84", 96", 110", 120", 132", 144", 220", or 280".

AB-0336 / AB-0337
Cable Kit



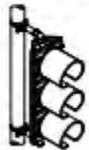
Astro Mini-Brac Clamp Kit, Cable Mount, 1-1/2" NPS

AB-0160 - -

See Note PNC=Process No Color
 P__=Paint

Note:
Cable Length: 45", 62", or 84".
Stainless steel upgrade available: includes stainless cable.
Specify by including -SS in the part number, i.e., AB-0160-45-SS-PNC.

Side-of-Pole Mounting
Vehicular or Pedestrian Signals



All Thread Nipple, 1-1/2" NPS, Alum



SE-0309 - - PNC

Length
02.13=2-1/8"
02.5=2-1/2"
03=3"
04=4"
04.5=4-1/2"
05=5"
06=6"

Hub Plate, Flat Back, 1-1/2" NPS, Alum



SE-0415 -

PNC=Process No Color
P__=Paint

2 CAMERA MAXIMUM

RSA

Round Straight Aluminum Pole
No Arm — Direct Buried

RSA12B4-E

CATALOG NUMBER

FINISH

Pole

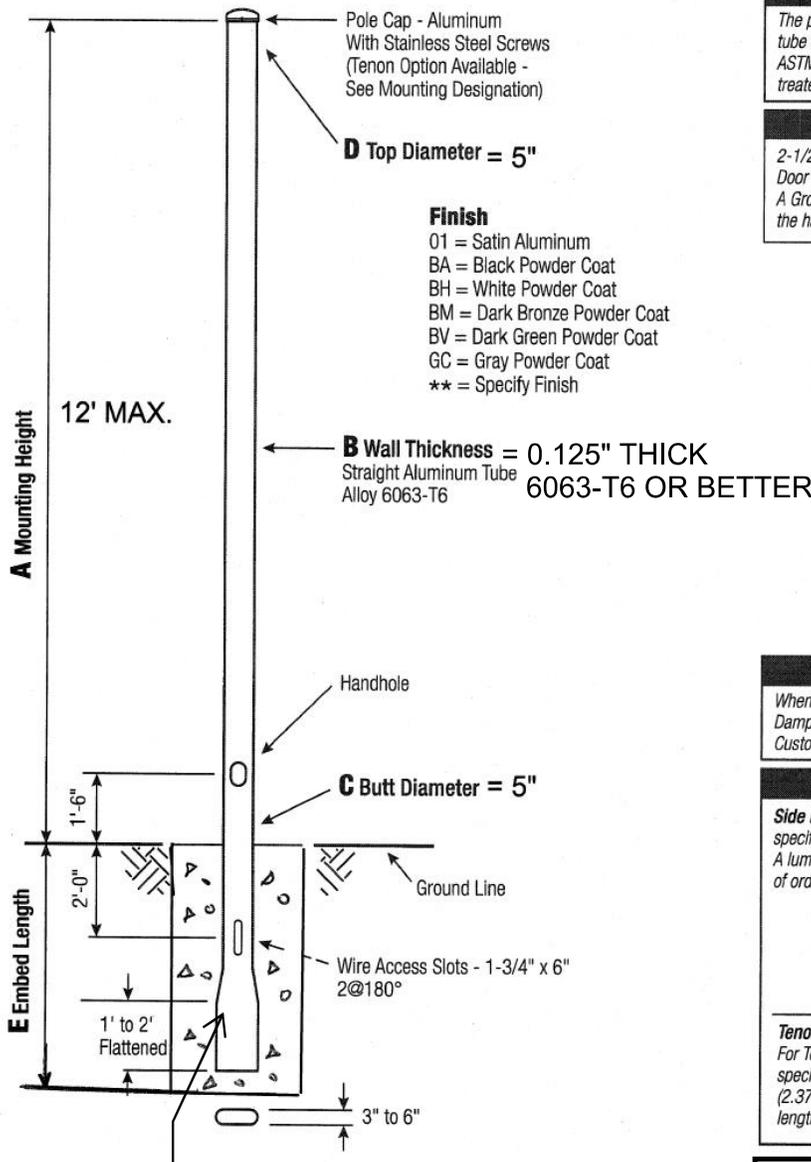
The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated to produce a T6 temper.

Handhole

2-1/2" x 5" Handhole with curved Lap Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision is provided as part of the handhole.

WIND DESIGN CRITERIA PER ASCE7:

Vult = 170 MPH
Vasd = 132 MPH
EXPOSURE CATEGORY: C



Finish

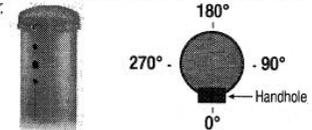
- O1 = Satin Aluminum
- BA = Black Powder Coat
- BH = White Powder Coat
- BM = Dark Bronze Powder Coat
- BV = Dark Green Powder Coat
- GC = Gray Powder Coat
- ** = Specify Finish

Vibration Damper

When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation

Side Drill Mount - For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.



Tenon Mount

For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.).

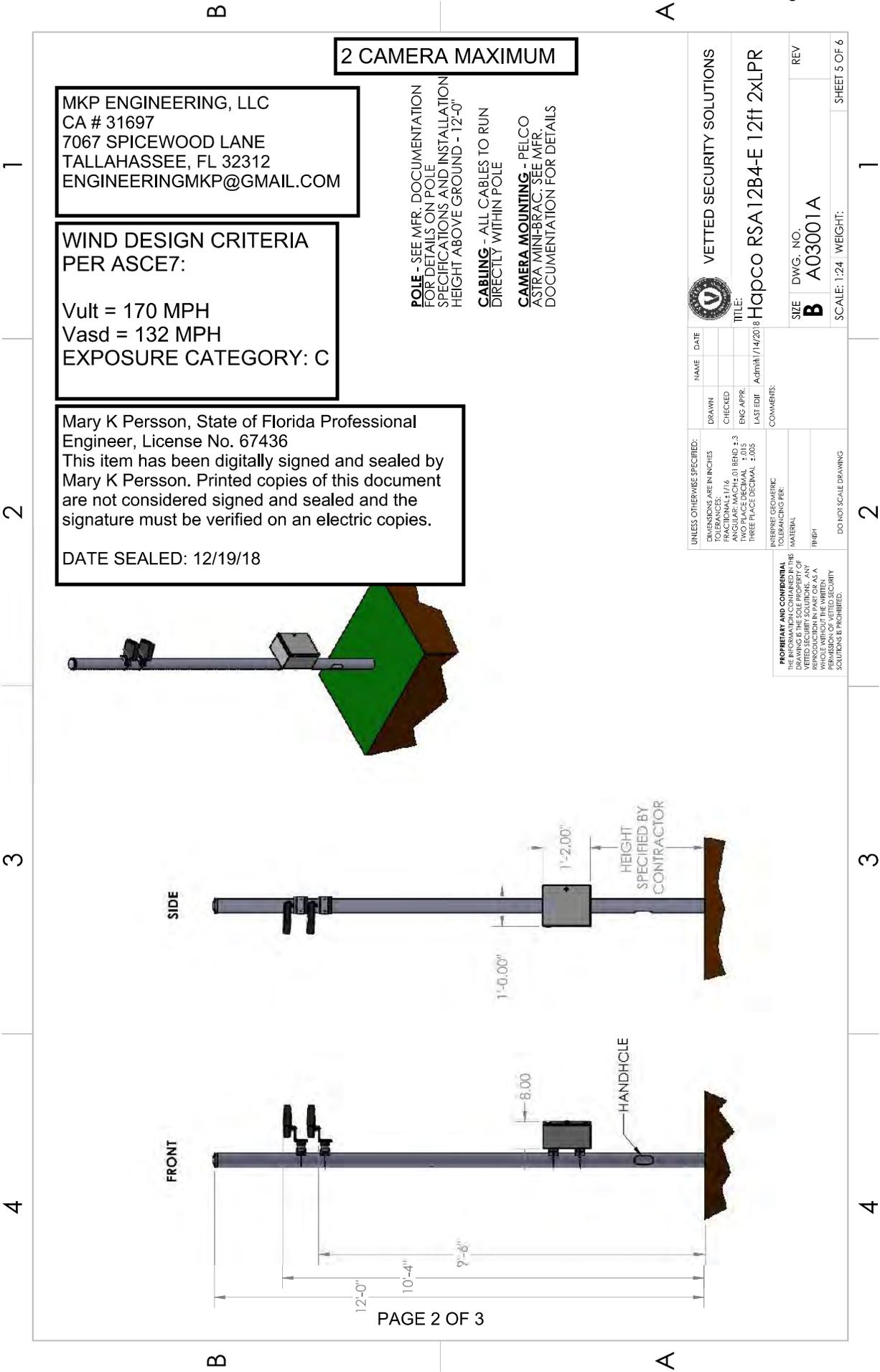


EMBED INTO CONCRETE
MIN. 2'-0" DIAMETER x
4'-10" DEEP

MKP ENGINEERING, LLC
CA # 31697
7067 SPICEWOOD LANE
TALLAHASSEE, FL 32312
ENGINEERINGMKP@GMAIL.COM

This item has been digitally signed and sealed by Mary K Persson. Printed copies of this document are not considered signed and sealed and the signature must be verified on an electric copies.

DATE SEALED: 12/19/18



2 CAMERA MAXIMUM

MKP ENGINEERING, LLC
CA # 31697
7067 SPICEWOOD LANE
TALLAHASSEE, FL 32312
ENGINEERINGMKP@GMAIL.COM

WIND DESIGN CRITERIA PER ASCE7:

Vult = 170 MPH
Vasd = 132 MPH
EXPOSURE CATEGORY: C

Mary K Persson, State of Florida Professional Engineer, License No. 67436
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DATE SEALED: 12/19/18

POLE - SEE MFR. DOCUMENTATION FOR DETAILS ON POLE SPECIFICATIONS AND INSTALLATION HEIGHT ABOVE GROUND - 12'-0"
CABLING - ALL CABLES TO RUN DIRECTLY WITHIN POLE
CAMERA MOUNTING - PELCO ASTRA MINI-BRAC. SEE MFR. DOCUMENTATION FOR DETAILS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: 1/16, 0.0005, 0.0015, 0.0025 DECIMAL: 0.015, 0.030, 0.060, 0.120, 0.250 THREE PLACE DECIMAL: ±.005		NAME	DATE
DRAWN	CHECKED		
COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL:			
FINISH:			
DO NOT SCALE DRAWING			
VETTED SECURITY SOLUTIONS 		TITLE: Hapco RSA12B4-E 12ft 2xLPR	
SIZE B	DWG. NO. A03001A	REV	SHEET 5 OF 6
SCALE: 1/24		WEIGHT:	

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AB-0280/AB-0320
Cable Kit



AB-0256
V-Bolt Kit

Astro-Brac, Stellar Series Clamp Kit, Cable Mount

AS-3009 - - -
 Cable Length Cable Coating
 See Note Blank=Galv PNC=Process No Color
 SS=Stainless P__=Paint

Note:
Cable Length: 62", 84", 96", 110", 120", 132", 144", 220", or 280".

AB-0336 / AB-0337
Cable Kit



Astro Mini-Brac Clamp Kit, Cable Mount, 1-1/2" NPS

AB-0160 - -
 Cable Length Coating
 See Note PNC=Process No Color
 P__=Paint

Note:
Cable Length: 45", 62", or 84".
Stainless steel upgrade available; includes stainless cable.
Specify by including -SS in the part number, i.e., AB-0160-45-SS-PNC.

Side-of-Pole Mounting
Vehicular or Pedestrian Signals



All Thread Nipple, 1-1/2" NPS, Alum



SE-0309 - - PNC
 Length
 02.13=2-1/8"
 02.5=2-1/2"
 03=3"
 04=4"
 04.5=4-1/2"
 05=5"
 06=6"



Hub Plate, Flat Back, 1-1/2" NPS, Alum

SE-0415 -
 Coating
 PNC=Process No Color
 P__=Paint

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