

**ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
2100 CLARENDON BOULEVARD, SUITE 500
ARLINGTON, VIRGINIA 22201**

CONTRACT AWARD COVERPAGE

TO: TRAFFIC SYSTEMS, LLC dba TRAFFIC SYSTEMS & TECHNOLOGY 7390 MERRITT PARK DRIVE, SUITE 160 MANASSAS, VIRGINIA 20109	DATE ISSUED: JULY 26, 2021
	CONTRACT NO: 21-DES-ITB-633
	CONTRACT TITLE: EQUIPMENT, TECHNICAL SUPPORT AND WARRANTY FOR CLOSED CIRCUIT TV CAMERAS

THIS IS A NOTICE OF AWARD OF CONTRACT AND NOT AN ORDER. NO WORK IS AUTHORIZED UNTIL THE VENDOR RECEIVES A VALID COUNTY PURCHASE ORDER ENCUMBERING CONTRACT FUNDS.

The contract documents consist of the terms and conditions of AGREEMENT No. **21-DES-ITB-633** including any attachments or amendments thereto.

EFFECTIVE DATE: JULY 26, 2021

EXPIRES: JULY 25, 2021

RENEWALS: THIS IS THE FIRST YEAR AWARD NOTICE OF A POSSIBLE FIVE-YEAR CONTRACT.

COMMODITY CODE(S): 03528; 65529

LIVING WAGE: Y or N

ATTACHMENTS:

AGREEMENT No. 21-DES-ITB-633

EMPLOYEES NOT TO BENEFIT:

NO COUNTY EMPLOYEE SHALL RECEIVE ANY SHARE OR BENEFIT OF THIS CONTRACT NOT AVAILABLE TO THE GENERAL PUBLIC.

VENDOR CONTACT: JON BONDANELLA

VENDOR TEL. NO.:

(703) 530-9655

EMAIL ADDRESS: JON@TRAFFICSYSTEM.US

COUNTY CONTACT: SUNGJIN JE (DES/TRANSPORTATION)

COUNTY TEL. NO.:

(703) 228-3439

COUNTY CONTACT EMAIL: SJE@ARLINGTONVA.US

PURCHASING DIVISION AUTHORIZATION

VANESSA MOOREHEAD TITLE: PROCUREMENT OFFICER DATE: JULY 26, 2021

**ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
SUITE 500, 2100 CLARENDON BOULEVARD
ARLINGTON, VA 22201**

AGREEMENT NO. 21-DES-ITB-633

THIS AGREEMENT is made, on July 26, 2021, between Traffic Systems, LLC dba Traffic Systems & Technology, 7390 Merritt Park Drive, Suite 160, Manassas, Virginia 20109 ("Contractor") a Virginia LLC authorized to do business in the Commonwealth of Virginia, and the County Board of Arlington County, Virginia ("County"). The County and the Contractor, for the consideration hereinafter specified, agree as follows:

1. CONTRACT DOCUMENTS

The "Contract Documents" consist of this Agreement, bid of the successful Bidder (hereinafter "Contractor") and Arlington County (hereinafter "County") Invitation to **Bid No. 21-DES-ITB-633**.

The Contract Documents set forth the entire agreement between the County and the Contractor. The County and the Contractor agree that no representative or agent of either party has made any representation or promise with respect to the parties' agreement that is not contained in the Contract Documents. The Contract Documents may be referred to below as the "Contract" or the "Agreement".

2. SCOPE OF WORK

The Contractor agrees to perform the services described in the Contract Documents (the "Work"), more particularly described in the Scope of Services included with the Invitation to Bid. **The primary purpose of the Work is to provide equipment, technical support, and warranty for Closed Circuit Television Cameras.** The Contract Documents set forth the minimum work estimated by the County and the Contractor to be necessary to complete the Work. It will be the Contractor's responsibility, at its sole cost, to provide the services set forth in the Contract Documents and sufficient services to fulfill the purposes of the Work. Nothing in the Contract Documents limits the Contractor's responsibility to manage the details and execution of the Work.

3. PROJECT OFFICER

The performance of the Contractor is subject to the review and approval of the County Project Officer, who will be appointed by the Director of the Arlington County department or agency requesting the Work under this Contract.

4. CONTRACT TERM

Time is of the essence. The Work will commence on **July 26, 2021** and must be completed no later than **July 25, 2022** ("Initial Contract Term"), subject to any modifications provided in the Contract Documents. Upon satisfactory performance by the Contractor the County may, through issuance of a bilateral Notice of Renewal, authorize continuation of the Agreement under the same contract prices for not more than **four (4) additional 12-month periods, from July 26, 2022 to July 25, 2026** (each a "Subsequent Contract Term"). The Initial Contract Term and any Subsequent Contract Term(s) are together the "Contract Term".

5. CONTRACT PRICING

Unless otherwise provided in the Contract Documents, the Contractor shall provide the goods and services covered in the County's Invitation to Bid No. 21-DES-ITB-633 at the prices provided in the bid of the Contractor.

6. PAYMENT TERMS

The Contractor must submit invoices to the County's Project Officer, who will either approve the invoice or require corrections. The County will pay the Contractor within 45 days after receipt of an invoice for completed work that is reasonable and allocable to the Contract and that has been performed to the satisfaction of the Project Officer. The number of the County Purchase Order pursuant to which goods or services have been delivered or performed must appear on all invoices.

If the County makes a partial payment, it may retain 5% of the estimate upon which the partial payment is based until completion and final acceptance of the Work.

7. PAYMENT OF SUBCONTRACTORS

The Contractor is obligated to take one of the two following actions within seven days after receipt of payment by the County for work performed by any subcontractor under this Contract:

- a. Pay the subcontractor for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor under this Contract; or
- b. Notify the County and the subcontractor, in writing, of the Contractor's intention to withhold all or a part of the subcontractor's payment, with the reason for nonpayment.

The Contractor is obligated to pay interest to the subcontractor on all amounts owed by the Contractor to the subcontractor that remain unpaid after seven days following receipt by the Contractor of payment from the County for work performed by the subcontractor under this Contract, except for amounts withheld as allowed in subsection b., above. Unless otherwise provided under the terms of this Contract, interest will accrue at the rate of 1% per month.

The Contractor must include in each of its subcontracts, if any are permitted, a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.

The Contractor's obligation to pay an interest charge to a subcontractor pursuant to this section may not be construed to be an obligation of the County. A Contract modification may not be made for the purpose of providing reimbursement for such interest charge. A cost reimbursement claim may not include any amount for reimbursement for such interest charge.

8. NO WAIVER OF RIGHTS

The County's approval or acceptance of or payment for any goods or services under this Contract will not waive any rights or causes of action arising out of the Contract.

9. NON-APPROPRIATION

All payments by the County to the Contractor pursuant to this Contract are subject to the availability of an annual appropriation for this purpose by the County Board of Arlington County, Virginia ("Board"). In the event that the Board does not appropriate funds for the goods or services provided under this

Contract, the County will terminate the Contract, without termination charge or other liability to the County, on the last day of the fiscal year or when the previous appropriation has been spent, whichever event occurs first.

10. ESTIMATED QUANTITIES/NON-EXCLUSIVITY OF CONTRACTOR

This Contract does not obligate the County to purchase a specific quantity of items or services during the Contract Term. Any quantities that are included in the Contract Documents are the present expectations of the County for the period of the Contract; and the County is under no obligation to buy that or any amount as a result of having provided this estimate or of having had any normal or otherwise measurable requirement in the past. The County may require more goods and/or services than the estimated annual quantities, and any such additional quantities will not give rise to any claim for compensation other than at the unit prices and/or rates in the Contract.

The County does not guarantee that the Contractor will be the exclusive provider of the goods or services covered by this Contract. The items or services covered by this Contract may be or become available under other County contract(s), and the County may determine that it is in its best interest to procure the items or services through those contract(s).

11. COUNTY PURCHASE ORDER REQUIREMENT

County purchases are authorized only if the County issues a Purchase Order in advance of the transaction, indicating that the ordering County agency has sufficient funds available to pay for the purchase. If the Contractor provides goods or services without a signed County Purchase Order, it does so at its own risk and expense. The County will not be liable for payment for any purchases made by its employees that are not authorized by the County Purchasing Agent.

12. DELIVERY

All goods are purchased F.O.B. destination in Arlington County as described in the specifications. Transportation, handling, and all related charges are included in the unit prices or discounts that the Contractor submitted with its bid.

13. WARRANTY

The Contractor guarantees against and will correct at its expense factory defects that occur during the manufacturer's standard warranty period. The Contractor will provide all manufacturers' warranties at the time of delivery.

All work is guaranteed by the Contractor against defects resulting from the use of inferior or faulty materials or workmanship for one (1) year from the date of final acceptance of the work by the County. No date other than the date of final acceptance shall govern the effective date of the Guaranty unless that date is agreed upon by the County and the Contractor in advance and in a signed writing.

14. INSPECTION, ACCEPTANCE, TITLE, AND RISK OF LOSS

The County will inspect all materials at the delivery location within ten days of delivery and may test the goods at its sees fit before accepting them.

The Contractor warrants that it has good title to and will require all subcontractors to warrant that they have good title to, all delivered goods.

The Contractor bears title and risk of loss or damage to all delivered goods until the County accepts them.

Neither the Contractor nor any subcontractor may retain any interest in the goods after the County accepts them.

15. DAMAGE TO PROPERTY

Any damage, as determined by the Project Officer, to the real or personal property, whether owned by the County or others, resulting from the Work performed under this Contract shall be timely repaired or replaced to the County's satisfaction at the Contractor's expense. The County will perform the repairs unless the County agrees that such repairs will be made by the Contractor. Any such Contractor repairs will be made within ten (10) days of the date of damage to the satisfaction of the County. All costs of the repair performed by the County shall be deducted from the Contractor's final payment.

16. CLEANING UP

The Contractor shall remove, as frequently as necessary, all refuse, rubbish, scrap materials and debris from any and all work sites to the extent that the trash is the result of the Contractor's operations, to the end that any and all work sites shall present a neat, orderly, and workmanlike appearance at all times. At completion of the Work, but before final acceptance, the Contractor shall remove all surplus material, falsework, temporary structures including foundations thereof, and debris of every nature resulting from the Contractor's operations or resulting from any activity on the site related to the Contractor's operations and put the site in a neat, orderly condition; if the Contractor fails to do so, the County shall have the right to remove the surplus material, falsework, temporary structures including foundations thereof, and debris, put the site in a neat, orderly condition, and charge the cost to the Contractor. The County shall be entitled to offset such cost against any sums owed by the County to the Contractor under this Contract.

17. DISPOSAL OF PACKING MATERIALS, TRASH AND DEBRIS

The Contractor must, at its expense and without using any County waste containers, immediately remove and legally dispose of off-site all packing materials, trash, and debris ("Waste"). Otherwise, the County will contract a third party to dispose of the Waste and will deduct the expense from the final payment to the Contractor.

The County will deduct from the final payment the expense to repair any damage to County-owned or-controlled property that the Contractor or its agents cause, unless the County agrees that the Contractor can make the repairs, in which case the Contractor must make the repairs at its expense within ten days of the damage and to the satisfaction of the County.

18. OSHA REQUIREMENTS

The Contractor certifies that all material supplied or used under this Contract meets all federal and state Occupational Safety and Health Administration ("OSHA") requirements. If the material does not meet the OSHA requirements, the Contractor will bear all costs necessary to bring the material into compliance.

19. HAZARDOUS MATERIALS

The Contractor must comply with all federal, state, and local laws governing the storage, transportation, and use of toxic and hazardous materials. The County is subject to the Hazard Communication Standard, 29 CFR § 1910.1200 ("Standard"). The Contractor will provide, no later than delivery or first use of the materials, Material Safety Data Sheets ("MSDS") for all hazardous materials supplied to the County or used in the performance of the Work. The Contractor will also ensure that all shipping and internal containers bear labels that meets the requirements of the Standard. The County may refuse shipments of hazardous materials that are not appropriately labeled or for which the Contractor has not timely

provided MSDS. The Contractor must pay any expenses that it or the County incurs as a result of the County's refusal of goods under this section or rejection of MSDS.

20. HAZARDOUS WASTE GENERATOR/HAZARDOUS WASTE DISPOSAL

The County and the Contractor shall be listed as co-generators. The Contractor assumes all duties pertaining to the waste generator, including signing the Waste Shipment Record ("WSR") and manifest. The Contractor shall supply the County Project Officer with the executed original Owner's Copy of the WSR, as required by applicable regulatory agencies within thirty-five (35) days from the time the waste was accepted by the initial waste transporter, and prior to request for final payment. A separate WSR shall be submitted for each shipment to the disposal site.

Delayed Waste Shipment Records: The Contractor shall report in writing to the EPA Region III office within forty-five (45) days if an executed copy of the WSR is not received from the operator of the disposal site. The report to the EPA regional office shall include a copy of the original WSR and a cover letter signed by the Contractor stating the efforts taken to locate the hazardous waste shipment and the results of those efforts.

Temporary Hazardous Waste Storage Prohibited: The Contractor shall not temporarily store hazardous waste unless pre-approved by the County. If so approved, hazardous waste stored off-site in a temporary facility shall be monitored and records shall be kept on the number of containers, size, and weight. The Contractor shall inform the County when the hazardous waste is to be transported to the final disposal site. The County has the right to inspect the temporary site at any time. The Contractor shall submit copies of all relevant manifests, WSRs, and landfill receipts to the County Project Officer prior to the request for final payment. All paperwork shall be signed by the Contractor and disposal site operator as required.

21. SAFETY

The Contractor shall comply with, and ensure that the Contractor's employees and subcontractors comply with, all current applicable local, state and federal policies, regulations and standards relating to safety and health, including, by way of illustration and not limitation, the standards of the Virginia Occupational Safety and Health program of the Department of Labor and Industry for General Industry and for the Construction Industry, the Federal Environmental Protection Agency standards and the applicable standards of the Virginia Department of Environmental Quality.

The Contractor shall provide, or cause to be provided, all technical expertise, qualified personnel, equipment, tools, and material to safely accomplish the work specified to be performed by the Contractor and subcontractor(s).

The Contractor shall identify to the County Project Officer at least one on-site person who is the Contractor's competent, qualified, and authorized person on the worksite and who is, by training or experience, familiar with and trained in policies, regulations and standards applicable to the work being performed. The competent, qualified and authorized person must be capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous or dangerous to employees, shall be capable of ensuring that applicable safety regulations are complied with, and shall have the authority and responsibility to take prompt corrective measures, which may include removal of the Contractor's personnel from the work site.

The Contractor shall provide to the County, at the County's request, a copy of the Contractor's written safety policies and safety procedures applicable to the scope of work. Failure to provide this information within seven (7) days of the County's request may result in cancellation of the contract.

22. FAILURE TO DELIVER

If the Contractor fails to deliver goods or services in accordance with the Contract terms and conditions, the County, after notice to the Contractor, may procure the goods or services from other sources and hold the Contractor responsible for any resulting additional purchase and administrative costs. The County shall be entitled to offset such costs against any sums owed by the County to the Contractor. However, if public necessity requires the use of nonconforming materials or supplies, they may be accepted at a reduction in price to be determined solely by the County.

23. UNSATISFACTORY WORK

The Contractor must within 30 days of written notice from the County remove and replace, at its expense, any goods that the County rejects as unsatisfactory. Otherwise, the County may choose to remove or replace the rejected goods at the Contractor's expense. The County may offset the costs against any amounts that it owes the Contractor. The County may also decide not to remove or replace the unsatisfactory goods and instead to adjust the Contract Amount to account for the unsatisfactory performance. This paragraph applies throughout the Contract Term and any warranty or guarantee period.

24. PROJECT STAFF

The County has the right to reasonably reject staff or subcontractors whom the Contractor assigns to the Project. The Contractor must then provide replacement staff or subcontractors satisfactory to the County in a timely manner and at no additional cost to the County. The day-to-day supervision and control of the Contractor's employees and its subcontractors is the sole responsibility of the Contractor.

25. SUPERVISION BY CONTRACTOR

The Contractor shall at all times enforce strict discipline and good order among the employees and subcontractors performing under this Contract and shall not employ on the Work any person not reasonably proficient in the work assigned.

26. EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED

During the performance of its work pursuant to this Contract:

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, or disability or on any other basis prohibited by state law. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
- B. Notices, advertisements, and solicitations placed in accordance with federal law, rule or regulation will be deemed sufficient for meeting the requirements of this section.
- C. The Contractor will state in all solicitations or advertisements for employees that it places or causes to be placed that such Contractor is an Equal Opportunity Employer.

- D. The Contractor will comply with the provisions of the Americans with Disabilities Act of 1990 ("ADA"), which prohibits discrimination against individuals with disabilities in employment and mandates that disabled individuals be provided access to publicly and privately provided services and activities.
- E. The Contractor must include the provisions of the foregoing paragraphs in every subcontract or purchase order of more than \$10,000.00 relating to this Contract so that the provisions will be binding upon each subcontractor or vendor.

27. EMPLOYMENT OF UNAUTHORIZED ALIENS PROHIBITED

In accordance with §2.2-4311.1 of the Code of Virginia, as amended, the Contractor must not during the performance of this Contract knowingly employ an unauthorized alien, as that term is defined in the federal Immigration Reform and Control Act of 1986.

28. DRUG-FREE WORKPLACE TO BE MAINTAINED BY CONTRACTOR

During the performance of this Contract, the Contractor must: (i) provide a drug-free workplace for its employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violating such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of more than \$10,000.00 relating to this Contract so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "workplace" means the site(s) for the performance of the work required by this Contract.

29. *SEXUAL HARASSMENT POLICY

If the Contractor employs more than five employees, the Contractor shall (i) provide annual training on the Contractor's sexual harassment policy to all supervisors and employees providing services in the Commonwealth, except such supervisors or employees that are required to complete sexual harassment training provided by the Department of Human Resource Management, and (ii) post the Contractor's sexual harassment policy in (a) a conspicuous public place in each building located in the Commonwealth that the Contractor owns or leases for business purposes and (b) the Contractor's employee handbook.

30. TERMINATION

The County may terminate this Contract at any time as follows: (1) for cause, if, as determined by the County, the Contractor is in breach or default or has failed to perform the Work satisfactorily; or (2) for the convenience of the County.

Upon receipt of a notice of termination, the Contractor must not place any further orders or subcontracts for materials, services or facilities; must terminate all vendors and subcontracts, except as are necessary for the completion of any portion of the Work that the County did not terminate; and must immediately deliver all documents related to the terminated Work to the County.

Any purchases that the Contractor makes after the notice of termination will be the sole responsibility of the Contractor, unless, the County has approved the purchases in writing as necessary for completion of any portion of the Work that the County did not terminate.

If any court of competent jurisdiction finds a termination for cause by the County to be improper, then the termination will be deemed a termination for convenience.

A. TERMINATION FOR CAUSE, INCLUDING BREACH AND DEFAULT; CURE

1. Termination for Unsatisfactory Performance. If the County determines that the Contractor has failed to perform satisfactorily, then the County will give the Contractor written notice of such failure(s) and the opportunity to cure them within 15 days or any other period specified by the County ("Cure Period"). If the Contractor fails to cure within the Cure Period, the County may terminate the Contract for failure to provide satisfactory performance by providing written notice with a termination date. The Contractor must submit any request for termination costs, with all supporting documentation, to the County Project Officer within 30 days after the expiration of the Cure Period. The County may accept or reject the request for termination costs, in whole or in part, and may notify the Contractor of its decision within a reasonable time.

In the event of termination by the County for failure to perform satisfactorily, the Contractor must continue to provide its services as previously scheduled through the termination date, and the County must continue to pay all fees and charges incurred through the termination date.

2. Termination for Breach or Default. If the County terminates the Contract for default or breach of any Contract provision or condition, then the termination will be immediate after notice of termination to the Contractor (unless the County provides for an opportunity to cure), and the Contractor will not be permitted to seek termination costs.

Upon any termination pursuant to this section, the Contractor will be liable to the County for costs that the County must expend to complete the Work, including costs resulting from any related delays and from unsatisfactory or non-compliant work performed by the Contractor or its subcontractors. The County will deduct such costs from any amount due to the Contractor; or if the County does not owe the Contractor, the Contractor must promptly pay the costs within 15 days of a demand by the County. This section does not limit the County's recovery of any other damages to which it is entitled by law.

Except as otherwise directed by the County, the Contractor must stop work on the date of receipt the notice of the termination.

B. TERMINATION FOR THE CONVENIENCE OF THE COUNTY

The County may terminate this Contract in whole or in part whenever the Purchasing Agent determines that termination is in the County's best interest. The County will give the Contractor at least 15 days' notice in writing. The notice must specify the extent to which the Contract is terminated and the effective termination date. The Contractor will be entitled to termination costs plus any other reasonable amounts that the parties might negotiate; but no amount will be allowed for anticipatory profits.

Except as otherwise directed by the County, the Contractor must stop work on the date of receipt of the notice of the termination.

31. INDEMNIFICATION

The Contractor covenants for itself, its employees and its subcontractors to save, defend, hold harmless and indemnify the County and all of its elected and appointed officials, officers, current and former employees, agents, departments, agencies, boards and commissions (collectively the "County Indemnitees") from and against any and all claims made by third parties for any and all losses, damages, injuries, fines, penalties, costs (including court costs and attorneys' fees), charges, liability, demands or exposure resulting from, arising out of or in any way connected with the Contractor's acts or omissions, including the acts or omissions of its employees and/or subcontractors, in performance or nonperformance of the Contract. This duty to save, defend, hold harmless and indemnify will survive the termination of this Contract. If the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor must reimburse the County for any and all resulting payments and expenses, including reasonable attorneys' fees. The Contractor must pay such expenses upon demand by the County, and failure to do so may result in the County withholding such amounts from any payments to the Contractor under this Contract.

The Contractor agrees to defend, indemnify, and hold harmless County from any and all damages, costs, claims, expenses, suits, losses, liabilities, or obligations of any kind including without limitation, environmental assessments, evaluations, remediations, fines, penalties, and clean-up costs which may be asserted against or imposed upon, or incurred by County arising from Contractor's discharge or disposal of any hazardous or toxic materials, trash, debris, refuse, waste or other materials ("Materials") related in any way to contractor's operations herein.

32. INTELLECTUAL PROPERTY INDEMNIFICATION

The Contractor warrants and guarantees that in providing services under this Contract neither the Contractor nor any subcontractor is infringing on the intellectual property rights (including, but not limited to, copyright, patent, mask, and trademark) of third parties.

If the Contractor or any of its employees or subcontractors uses any design, device, work or material that is covered by patent or copyright, it is understood that the Contract Amount includes all royalties, licensing fees, and any other costs arising from such use in connection with the Work under this Contract.

The Contractor covenants for itself, its employees and its subcontractors to save, defend, hold harmless, and indemnify the County Indemnitees, as defined above, from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorneys' fees), charges, liability or exposure for infringement of or on account of any trademark, copyright, patented or unpatented invention, process or article manufactured or used in the performance of this Contract. This duty to save, defend, hold harmless and indemnify will survive the termination of this Contract. If the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor must reimburse the County for any and all resulting payments and expenses, including reasonable attorneys' fees. The Contractor must pay such expenses upon demand by the County, and failure to do so may result in the County withholding such amounts from any payments to the Contractor under this Contract.

33. COPYRIGHT

By this Contract, the Contractor irrevocably transfers, assigns, sets over and conveys to the County all rights, title, and interest, including the sole exclusive and complete copyright interest, in any and all

copyrightable works created pursuant to this Contract. The Contractor will execute any documents that the County requests to formalize such transfer or assignment.

The rights granted to the County by this section are irrevocable and may not be rescinded or modified, including in connection with or as a result of the termination of or a dispute concerning this Contract.

The Contractor may not use subcontractors or third parties to develop or provide input into any copyrightable materials produced pursuant to this Contract without the County's advance written approval and unless the Contractor includes this Copyright provision in any contract or agreement with such subcontractors or third parties related to this Contract.

34. OWNERSHIP AND RETURN OF RECORDS

This Contract does not confer on the Contractor any ownership rights or rights to use or disclose the County's data or inputs.

All drawings, specifications, blueprints, data, information, findings, memoranda, correspondence, documents or records of any type, whether written, oral or electronic, and all documents generated by the Contractor or its subcontractors as a result of this Contract (collectively "Records") are the exclusive property of the County and must be provided or returned to the County upon completion, termination, or cancellation of this Contract. The Contractor will not use or willingly cause or allow such materials to be used for any purpose other than performance of this Contract without the written consent of the County.

The Records are confidential, and the Contractor will neither release the Records nor share their contents. The Contractor will refer all inquiries regarding the status of any Record to the Project Officer or to his or her designee. At the County's request, the Contractor will deliver all Records, including hard copies of electronic records, to the Project Officer and will destroy all electronic Records.

The Contractor agrees to include the provisions of this section as part of any contract or agreement related to this Contract into which it enters with subcontractors or other third parties.

The provisions of this section will survive any termination or cancellation of this Contract.

35. CONFIDENTIAL INFORMATION

The Contractor and its employees, agents and subcontractors will hold as confidential all County information obtained under this Contract. Confidential information includes, but is not limited to, nonpublic personal information; personal health information (PHI); social security numbers; addresses; dates of birth; other contact information or medical information about a person; and information pertaining to products, operations, systems, customers, prospective customers, techniques, intentions, processes, plans and expertise. The Contractor must take reasonable measures to ensure that all of its employees, agents and subcontractors are informed of and abide by this requirement.

36. ETHICS IN PUBLIC CONTRACTING

This Contract incorporates by reference Article 9 of the Arlington County Purchasing Resolution, as well as all state and federal laws related to ethics, conflicts of interest or bribery, including the State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq.), the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.) and Articles 2 and 3 of Chapter 10 of Title 18.2 of the Code of Virginia, as amended (§ 18.2-438 et seq.). The Contractor certifies that its bid was made without collusion or fraud; that it has not offered or received any kickbacks or inducements from any other offeror,

supplier, manufacturer or subcontractor; and that it has not conferred on any public employee having official responsibility for this procurement any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.

37. COUNTY EMPLOYEES

No Arlington County employee may share in any part of this Contract or receive any benefit from the Contract that is not available to the general public.

38. FORCE MAJEURE

Neither party will be held responsible for failure to perform the duties and responsibilities imposed by this Contract if such failure is due to a fire, riot, rebellion, natural disaster, war, act of terrorism or act of God that is beyond the control of the party and that makes performance impossible or illegal, unless otherwise specified in the Contract.

39. AUTHORITY TO TRANSACT BUSINESS

The Contractor must, pursuant to Code of Virginia § 2.2-4311.2, be and remain authorized to transact business in the Commonwealth of Virginia during the entire term of this Contract. Otherwise, the Contract is voidable at the sole option of and with no expense to the County.

40. RELATION TO COUNTY

The Contractor is an independent contractor, and neither the Contractor nor its employees or subcontractors will be considered employees, servants, or agents of the County. The County will not be responsible for any negligence or other wrongdoing by the Contractor or its employees, servants, or agents. The County will not withhold payments to the Contractor for any federal or state unemployment taxes, federal or state income taxes or Social Security tax or for any other benefits. The County will not provide to the Contractor any insurance coverage or other benefits, including workers' compensation.

41. ANTITRUST

The Contractor conveys, sells, assigns, and transfers to the County all rights, title, and interest in and to all causes of action under state or federal antitrust laws that the Contractor may have relating to this Contract.

42. AUDIT

The Contractor must retain all books, records and other documents related to this Contract for at least five years, or such period of time required by the County's funding partner(s), if any, whichever is greater, after the final payment and must allow the County or its authorized agents to examine the documents during this period and during the Contract Term. The Contractor must provide any requested documents to the County for examination within 15 days of the request, at the Contractor's expense. Should the County's examination reveal any overcharging by the Contractor, the Contractor must, within 30 days of County's request, reimburse the County for the overcharges and for the reasonable costs of the County's examination, including, but not limited to, the services of external audit firm and attorney's fees; or the County may deduct the overcharges and examination costs from any amount that the County owes to the Contractor. If the Contractor wishes to destroy or dispose of any records related to this Contract (including confidential records to which the County does not have ready access) within five years after the final payment, or such period of time required by the County's funding partner(s), if any, whichever is greater, the Contractor must give the County at least 30 days' notice and must not dispose of the documents if the County objects.

The Purchasing Agent may require the Contractor to demonstrate that it has the necessary facilities, ability, and financial resources to comply with the Contract and furnish the service, material or goods specified herein in a satisfactory manner at any time during the term of this Contract.

43. ASSIGNMENT

The Contractor may not assign, transfer, convey or otherwise dispose of any award or any of its rights, obligations, or interests under this Contract without the prior written consent of the County.

44. AMENDMENTS

This Contract may not be modified except by written amendment executed by persons duly authorized to bind the Contractor and the County.

45. ARLINGTON COUNTY PURCHASING RESOLUTION AND COUNTY POLICIES

Nothing in this Contract waives any provision of the Arlington County Purchasing Resolution, which is incorporated herein by reference, or any applicable County policy.

46. DISPUTE RESOLUTION

All disputes arising under this Agreement or concerning its interpretation, whether involving law or fact and including but not limited to claims for additional work, compensation or time, and all claims for alleged breach of contract must be submitted in writing to the Project Officer as soon as the basis for the claim arises. In accordance with the Arlington County Purchasing Resolution, claims denied by the Project Officer may be submitted to the County Manager in writing no later than 60 days after the final payment. The time limit for a final written decision by the County Manager is 30 days. Procedures concerning contractual claims, disputes, administrative appeals, and protests are contained in the Arlington County Purchasing Resolution. The Contractor must continue to work as scheduled pending a decision of the Project Officer, County Manager, County Board, or a court of law

47. APPLICABLE LAW, FORUM, VENUE AND JURISDICTION

This Contract is governed in all respects by the laws of the Commonwealth of Virginia; and the jurisdiction, forum and venue for any litigation concerning the Contract or the Work is in the Circuit Court for Arlington County, Virginia, and in no other court.

48. ARBITRATION

No claim arising under or related to this Contract may be subject to arbitration.

49. NONEXCLUSIVITY OF REMEDIES

All remedies available to the County under this Contract are cumulative, and no remedy will be exclusive of any other at law or in equity.

50. NO WAIVER

The failure to exercise a right provided for in this Contract will not be a subsequent waiver of the same right or of any other right.

51. SEVERABILITY

The sections, paragraphs, clauses, sentences, and phrases of this Contract are severable; and if any section, paragraph, clause, sentence or phrase of this Contract is declared invalid by a court of competent jurisdiction, the rest of the Contract will remain in effect.

52. NO WAIVER OF SOVEREIGN IMMUNITY

Notwithstanding any other provision of this Contract, nothing in this Contract or any action taken by the County pursuant to this Contract shall constitute or be construed as a waiver of either the sovereign or governmental immunity of the County. The parties intend for this provision to be read as broadly as possible.

53. ATTORNEY'S FEES

In the event that the County prevails in any legal action or proceeding brought by the County to enforce any provision of this Contract, the Contractor will pay the County's reasonable attorney's fees and expenses.

54. SURVIVAL OF TERMS

In addition to any statement that a specific term or paragraph survives the expiration or termination of this Contract, the following sections also survive: INDEMNIFICATION; INTELLECTUAL PROPERTY INDEMNIFICATION; RELATION TO COUNTY; OWNERSHIP AND RETURN OF RECORDS; AUDIT; COPYRIGHT; WARRANTY; DISPUTE RESOLUTION; APPLICABLE LAW AND JURISDICTION; ATTORNEY'S FEES, AND CONFIDENTIAL INFORMATION.

55. HEADINGS

The section headings in this Contract are inserted only for convenience and do not affect the substance of the Contract or limit the sections' scope.

56. AMBIGUITIES

The parties and their counsel have participated fully in the drafting of this Agreement; and any rule that ambiguities are to be resolved against the drafting party does not apply. The language in this Agreement is to be interpreted as to its plain meaning and not strictly for or against any party.

57. NOTICES

Unless otherwise provided in writing, all legal notices and other communications required by this Contract are deemed to have been given when either (a) delivered in person; (b) delivered by an agent, such as a delivery service; or (c) deposited in the United States mail, postage prepaid, certified or registered and addressed as follows:

TO THE CONTRACTOR:

Jon J Bondanella, P.E.
7390 Merritt Park Dr. Suite 160
Manassas, Virginia 20109
Telephone No: ((703) 530-9655
Email: jon@trafficsystem.us

TO THE COUNTY:

Sungjin Je, Project Officer
2100 Clarendon Blvd. Suite 900
Arlington, Virginia 22201
Telephone No.: (703) 228-3439
Email: sje@arlingtonva.us

AND

Sharon T. Lewis, LL.M, MPS, VCO, CPPB
Purchasing Agent
Arlington County, Virginia
2100 Clarendon Boulevard, Suite 500
Arlington, Virginia 22201

TO COUNTY MANAGER'S OFFICE (FOR PROJECT CLAIMS):

Mark Schwartz, County Manager
Arlington County, Virginia
2100 Clarendon Boulevard, Suite 318
Arlington, Virginia 22201

58. ARLINGTON COUNTY BUSINESS LICENSES

The Contractor must comply with the provisions of Chapter 11 ("Licenses") of the Arlington County Code, if applicable. For information on the provisions of that Chapter and its applicability to this Contract, the Contractor must contact the Arlington County Business License Division, Office of the Commissioner of the Revenue, 2100 Clarendon Blvd., Suite 200, Arlington, Virginia, 22201, telephone number (703) 228-3060.

59. NON-DISCRIMINATION NOTICE

Arlington County does not discriminate against faith-based organizations.

60. ACCESSIBILITY OF WEB SITE

If any work performed under this Contract results in the design, development or maintenance of or responsibility for the content or format of any County web sites or for the County's presence on third-party web sites, the Contractor must perform such work in compliance with ADA.

61. ADA COMPLIANCE

The Contractor is solely responsible for its compliance with the ADA and must defend and hold the County harmless from any expense or liability arising from the Contractor's non-compliance. The Contractor also must respond promptly to and cooperate fully with all inquiries from the U.S. Department of Labor.

The Contractor's responsibilities related to ADA compliance include, but are not limited to, the following:

- a. Access to Programs, Services and Facilities: The Contractor must ensure that its programs, services, and facilities are accessible to persons with disabilities. If a particular facility or program is not accessible, the Contractor must provide equivalent services in an accessible alternate location or manner.
- b. Effective Communication: Upon request, the Contractor, must provide appropriate communication aids and services so that qualified persons with disabilities can participate equally in the Contractor's programs, services, and activities. Communication aids and services can include, but are not limited to, qualified sign language interpreters, Braille documents and other means of facilitating communications with people who have speech, hearing, or vision impairments.

- c. Modifications to Policies and Procedures: The Contractor must modify its policies and procedures as necessary to ensure that people with disabilities have an equal opportunity to enjoy the Contractor's programs, services, and activities. For example, individuals' service animals must be allowed in the Contractor's offices or facilities, even if pets are generally prohibited.
- d. No Extra Charges: The Contractor may not charge a person with a disability or any group of individuals with disabilities to cover the cost of providing aids or services or of reasonable modifications to policies and procedures.

62. INSURANCE REQUIREMENTS

Before beginning work under the Contract or any extension, the Contractor must provide to the County Purchasing Agent a Certificate of Insurance indicating that the Contractor has in force at a minimum the coverage below. The Contractor must maintain this coverage until the completion of the Contract or as otherwise stated in the Contract Documents. All required insurance coverage must be acquired from insurers that are authorized to do business in the Commonwealth of Virginia, with a rating of "A-" or better and a financial size of "Class VII" or better in the latest edition of the A.M. Best Co. Guides.

- a. Workers Compensation - Virginia statutory workers compensation (W/C) coverage, including Virginia benefits and employer's liability with limits of \$500,000/500,000/500,000. The County will not accept W/C coverage issued by the Injured Worker's Insurance Fund, Towson, MD. \$
- b. Employer's Liability - \$500,000/accident, \$500,000/disease, \$500,000/disease policy limit
- c. Commercial General Liability - \$1,000,000 per occurrence, with \$1,000,000 annual aggregate covering all premises and operations and including personal injury, completed operations, contractual liability, independent contractors, and products liability. The general aggregate limit must apply to this Contract. Evidence of contractual liability coverage must be typed on the certificate.
- d. Premises/Operations - \$500,000 CSL BI/PD each occurrence, \$1,000,000 annual aggregate
- e. Business Automobile Liability - \$1,000,000 combined single-limit (owned, non-owned and hired).
- f. Owned/Hired/Non-Owned Vehicles - \$1,000,000 BI/PD each accident, Uninsured Motorist
- g. Products Liability - \$1,000,000 CSL BI/PD each occurrence, \$1,000,000 annual aggregate
- h. Completed Operations - \$1,000,000 CSL BI/PD each occurrence, \$1,000,000 annual aggregate
- i. Miscellaneous E&O / Professional Liability - \$1,000,000 per occurrence/claim
- j. Motor Carrier Act End. (MSC-90) - \$1,000,000 BI/PD each accident, Uninsured
- k. Motor Cargo Insurance
- l. Additional Insured – The County and its officers, elected and appointed officials, employees and agents must be listed as additional insureds on all policies except workers compensation and

automotive and professional liability; and the additional insured endorsement must be typed on the certificate.

- m. Cancellation - If there is a material change or reduction in or cancellation of any of the above coverages during the Contract Term, the Contractor must notify the Purchasing Agent immediately and must, with no lapse in coverage, obtain replacement coverage that is consistent with the terms of this Contract. Not having the required insurance throughout the Contract Term is grounds for termination of the Contract.
- n. Claims-Made Coverage - Any "claims made" policy must remain in force, or the Contractor must obtain an extended reporting endorsement, until the applicable statute of limitations for any claims has expired.
- o. Contract Identification - All insurance certificates must state this Contract's number and title.

The Contractor must disclose to the County the amount of any deductible or self-insurance component of any of the required policies. With the County's approval, the Contractor may satisfy its obligations under this section by self-insurance for all or any part of the insurance required, provided that the Contractor can demonstrate sufficient financial capacity. In order to do so, the Contractor must provide the County with its most recent actuarial report and a copy of its self-insurance resolution.

The County may request additional information to determine if the Contractor has the financial capacity to meet its obligations under a deductible and may require a lower deductible; that funds equal to the deductible be placed in escrow; a certificate of self-insurance; collateral; or another mechanism to guarantee the amount of the deductible and ensure protection for the County.

The County's acceptance or approval of any insurance will not relieve the Contractor from any liability or obligation imposed by the Contract Documents.

The Contractor is responsible for the Work and for all materials, tools, equipment, appliances, and property used in connection with the Work. The Contractor assumes all risks for direct and indirect damage or injury to the property used or persons employed in connection with the Work and for of all damage or injury to any person or property, wherever located, resulting from any action, omission, commission or operation under the Contract or in connection in any way whatsoever with the Work. The Contractor's insurance shall be the primary non-contributory insurance for any work performed under this Contract.

The Contractor is as fully responsible to the County for the acts and omissions of its subcontractors and of persons employed by them as it is for acts and omissions of persons whom the Contractor employs directly.

63. MATERIAL CHANGES

The Contractor shall notify Purchasing Agent within seven days of any material changes in its operation that relate to any matter attested regarding certifications on its bid form.

64. COUNTERPARTS

This Agreement may be executed in one or more counterparts and all of such counterparts shall together constitute one and the same instrument. Original signatures transmitted and received via facsimile or

1. COUNTERPARTS

This Agreement may be executed in one or more counterparts and all of such counterparts shall together constitute one and the same instrument. Original signatures transmitted and received via facsimile or other electronic transmission (e.g., PDF or similar format) are true and valid signatures for all purposes hereunder and shall be effective as delivery of a manually executed original counterpart.

WITNESS these signatures:

THE COUNTY BOARD OF ARLINGTON
COUNTY, VIRGINIA

TRAFFIC SYSTEMS, LLC dba TRAFFIC SYSTEMS
& TECHNOLOGY

AUTHORIZED SIGNATURE: DocuSigned by:
Vanessa Moorehead
392AD72EA7BC414...

AUTHORIZED SIGNATURE: DocuSigned by:
Jon Bondanella
34FA805A80A6466...

NAME: VANESSA MOOREHEAD

NAME: JON J BONDANELLA

TITLE: PROCUREMENT OFFICER

TITLE: VP OF ENGINEERING & ITS SALES

DATE: 7/26/2021

DATE: 7/26/2021

II. SCOPE OF SERVICES

1) **GENERAL SCOPE**

The Contractor must furnish equipment, provide technical support, and warranty for CCTV cameras. The County will mount the cameras on traffic signal poles at intersections to monitor traffic and provide situational awareness for incidents throughout the County.

2) **SHIPMENT AND DELIVERY**

- a) The Contractor's price must include all freight on board charges for delivery and unloading of the equipment and materials. Shipments must be delivered to the County's Transportation Engineering and Operations Bureau Trades Center located at:

Transportation Engineering and Operations
Traffic Signal Section
4300 29th Street South
Arlington, VA 22206

- b) Upon receiving the signed Call Order Form (Attachment B), the Contractor must assign a unique shipment number (range to be decided by the County) and must place labels on every package or parcel in the shipment for easy identification.
 - i) These labels containing shipment numbers must be standalone labels not to be combined with or obscured by any other labels that may be placed on the package.
- c) Detailed instructions regarding shipment numbers and label sizes will be provided at the time of Contract Award.
- d) Upon shipment of orders and/or at least three (3) business days in advance of the expected delivery, Contractor must provide the County Project Officer with an Email notification that includes:
 - i) Copy of the packing slip (to include order number and Purchase Order (PO) number)
 - ii) Shipment number
 - iii) Tracking number (assigned by the Carrier)
 - iv) Expected date of Delivery
- e) Arlington County reserves the right to refuse an entire shipment if the advance notice is not received.

3) LEAD TIMES

- a) The County will provide a Call Order form (Attachment B) with each order. The transmittal of the Call Order form to the Contractor will serve as Notice to Proceed (NTP) for each order and will be accompanied by the official Purchase Order.
 - i) The Contractor must receive a Call Order form and an official Purchase Order in order to release the order for production.
 - ii) The Contractor must acknowledge receipt of the order by signing the Call Order form and returning to the County via email.
- b) Equipment lead time must be no more than thirty (30) calendar days from the placement of the order (NTP date).
- c) Upon shipment of the materials, written shipping notification must be provided to the Project Officer. Said shipment notification shall serve as the completion date for the lead time.

4) WARRANTY

- a) All goods and materials provided to the County must be fully guaranteed by the Contractor against factory defects. Any defects which may occur as the result of either faulty material or workmanship by the manufacturer within the period of the manufacturer's standard warranty shall be corrected by the Contractor at no expense to the County.
- b) At the time of purchase the Contractor must provide a detailed written warranty for all devices and components specified with their bid against defects in materials and workmanship. No date other than the date of final acceptance, by the County, at the designated location, shall govern the effective date of the warranty, unless the date is agreed upon by the County and Contractor in advance and in writing.
- c) All goods and materials must be guaranteed by the Contractor against defects resulting from the use of inferior or faulty materials or workmanship for a minimum of Three (3) years from the date of final acceptance by the County if the manufacturer's or supplier's warranty is less than 3 years. In the case that the manufacturer's warranty exceeds three (3) years, no additional warranty is required. Specific requirements for equipment and material warranties are included in the Arlington County Traffic and Streetlight Specifications. Where the ACTSS warranty requirements differ from the three-year minimum, the longer of the two shall apply.
- d) All costs of labor, parts and transportation from the Contractor must be borne by

the Contractor for the duration of the warranty period.

5) INVOICING

- a) All invoices must be provided on the Contractor's letterhead and shall contain the following information:
 - i) Purchase Order (PO) Number
 - ii) Invoice Number
 - iii) Order Number
 - iv) Date
 - v) Item Descriptions matching the Contract line items
 - vi) Item Quantity and Prices
- b) Invoices must be signed by an authorized signee.
- c) Partial shipments may be invoiced, providing that the Contractor has prior written approval from the County's Project Officer or Task Officer assigned the task. Otherwise, the Contractor shall not invoice the County until the order is received in full.
- d) If an invoice is submitted prior to the County receiving the goods, the County may reject the invoice and require resubmittal upon receipt of the goods.

6) REPAIRS

- a) For equipment under warranty, the Contractor is responsible for administering a Return Merchandise Authorization (RMA) process for any warranted equipment included in this Contract. The RMA process must be timely and streamlined as follows:
 - i) Upon notification from the County, the Contractor must provide RMA within 5 business days.
 - ii) For items under warranty, the Contractor is responsible for the cost and mechanism of shipping items.
 - iii) RMA actions shall be documented including equipment serial numbers, dates, and repairs completed.
- b) For equipment not under warranty, the County may ship damaged equipment to the Contractor for the Contractor to provide an estimate of repair costs.
 - i) The estimate must include the components to be replaced, the estimated cost of the repair, and the estimated repair time. The estimated cost must include any shipping costs.
 - ii) The County will evaluate the estimate for reasonableness. If the County elects to proceed with the repairs, the County will provide a Purchase

Order for the work to the Contractor.

- iii) If the County does not elect to proceed with repairs, the Contractor must dispose of the equipment at no cost to the County.
- iv) Repair actions must be documented including equipment serial numbers, dates, and repairs completed.

7) TECHNICAL SUPPORT

- a) Technical Support for each of the sections included in the Price Schedule (Attachment A) must include activities such as field troubleshooting, technical remote support, training, or configuration of difficult installations and will be paid on an hourly basis.
- b) No additional allowances for travel or accommodations are provided by the County.

8) SUPPLEMENTAL SPECIFICATIONS

a) GENERAL

- i) Cameras must be IP-based and comply with established network and video standards.
- ii) Cameras must be powered by the switch utilizing the network cable. Power injectors (midspans) must be provided by the Contractor when required for proper operation. The power injectors, if needed, must be shelf or din-rail mountable.
- iii) Cameras must be fully supported by an open and published API (Application Programmers Interface), which provides necessary information for integration of camera functionality into the County's FLIR Cameleon Software. This required information includes device controls and video streaming capabilities.
- iv) Cameras must comply with relevant ONVIF profile as defined by the ONVIF Organization <https://www.onvif.org/>.

b) MATERIALS

Camera System

- i) The Camera must be a dome-type configuration. The housing must protect the camera and other internal components from rain, dust, corrosive elements, and typical conditions found at a roadside

environment.

- ii) The Camera system must operate using a nominal input voltage at the cabinet of 120 volts alternating current (VAC). If the camera or any camera-related ancillary device requires operating voltages other than 120 VAC, appropriate voltage converters must be provided. Ground loop isolators must be provided and installed for each affected CCTV or any camera-related ancillary device. Power consumption must not exceed 125 watts.
- iii) The Camera specified must provide an integrated network Camera System providing 1080p60 video with 30x optical zoom and 12x digital zoom capability.
- iv) The Camera must incorporate H.264 and MJPEG compression and encoding technology for providing low bandwidth, low latency and high-quality video images transported over standard Ethernet infrastructures.
- v) The Camera encoding system must support dynamic video profile creation, allowing user flexibility in defining the quantity and properties of each video profile.
- vi) The Camera System positioning drive system must provide wide dynamic range speed capability of 0.1 to 80 degrees per second, 360-degree continuous pan rotation, and +10 to -90-degree tilt range.
- vii) The Camera must have sufficient holding torque to maintain operation in heavy wind with TS-2 vibration conditions.
- viii) The Camera System must include a web server allowing password protected administration/configuration capabilities along with full camera and positioning system control and viewing functions.
- ix) The Camera System camera manufacturer must provide a software development kit (SDK) for allowing 3rd party developers all necessary tools for integrating the Camera System into the users control system environment.
- x) The Camera System must include an advanced ID generation capability for indications of viewing direction, compass setting, azimuth/elevation position, location descriptors and user defined

image/logo.

- xi) The Camera must provide an operating temperature range of +75C to -40C compliant with NEMA TS2 temperature profile.
- xii) The Camera System must be designed for use in rugged and harsh operational environments conforming to NEMA TS2 requirements for power and shock and vibration.
- xiii) The Camera must provide minimum of IP66 and preferable IP67 or higher environment protection. The housing must protect the camera and other internal components from rain, dust, corrosive elements, and typical conditions found at a roadside environment
- xiv) The Camera System must support ONVIF Profile S interface for providing a standardized interoperability of 3rd party system equipment.
- xv) The Camera System units must be fully assembled, purged, pressurized, and tested at the original manufacturing facility and shipped as a complete unit, ready for installation and commissioning.
- xvi) The Camera POE injector must have LED displays (or similar) to indicate status for power, data activity, link status.

(b) CCTV Lead-in Cable

- i) The cable must be CAT5e or CAT6 with shielded and gel filled protection.

10) EXECUTION

- (a) Not included in Contract

11) MEASUREMENT AND PAYMENT

- a) CCTV Assembly
 - ii) CCTV assembly must be measured and paid for per each and must include the camera and all associated accessories including the camera unit, camera lenses, control circuits, accessories, camera housing, pan and tilt units, camera control receivers, cable harnesses, connectors, equipment for accommodating presets, source identification generator, all mounting brackets and poles, mounting hardware (e.g., screws,

nuts, bolts), power cords, and transformers. CCTV Camera cost includes factory testing and warranty.

iii) CCTV Replacement Parts

1. THE CCTV camera must include the complete camera unit including the lenses, control circuits, housing, pan and tilt units, receivers, and harnesses.
2. THE CCTV Mount Connector must include the hardware required to connect the camera unit to the arm or pole.
3. THE CCTV Arm/Pole must include the "J-pole" or "gooseneck" style pole required to mount the camera above a mast arm. The pole height must be 72".
4. The Astro-Bracket must include all equipment and hardware required to connect the CCTV pole to a signal pole including the bracket, bolts, bands, and any other hardware needed. The mount must be a Pelco manufactured "Astro" style bracket. The mount shall accommodate the diameter of arms and poles shown in the County Traffic Signal Standards and Specifications. Substitutions for the Pelco products may be permitted if they conform to VDOT pre-approved materials list.
5. The POE Injector shall include the hardware and connectors needed to mount in a cabinet (hardware shall be provided for both rail and shelf mounted).

The CCTV Lead-in Cable must be measured and paid for per linear foot. Cable spooling details such as maximum spool size and number of spools for an order will be specified at the time of order. Generally, spools must be easily transportable via trailer and be able to be off-loaded without the use of a forklift.

PRICE SCHEDULE

Close Circuit Television System

CCTV ASSEMBLIES

CCTV Assembly	EA	\$3,930.00
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COMPONENTS AND REPLACEMENT PARTS

CCTV Camera	EA	\$3,426.00
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CCTV Mount Connector	EA	\$46.00
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CCTV Arm/Pole	EA	\$208.00
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Astro-Bracket	EA	\$94.00
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Power-Over Ethernet (POE) Injector	EA	\$156.00
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CCTV Lead-in Cable	EA	\$1.00
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SUPPORT SERVICES

Technical Support	HR	\$100.00
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**ARLINGTON COUNTY, VIRGINIA
INVITATION TO BID NO. 21-DES-ITB-633**

B I D F O R M

**ELECTRONIC BIDS WILL BE RECEIVED BY THE COUNTY VIA VENDOR REGISTRY NOT LATER THAN
3:00 P.M., JULY 8, 2021**

FOR PROVIDING EQUIPMENT, TECHNICAL SUPPORT AND WARRANTY FOR CLOSED CIRCUIT TELEVISION
CAMERAS PER THE TERMS, CONDITIONS AND SPECIFICATIONS OF THIS SOLICITATION

**THE FULL LEGAL NAME OF THE ENTITY SUBMITTING THIS BID MUST BE WRITTEN IN THE SPACE BELOW.
THIS BID FORM AND ALL OTHER DOCUMENTS THAT REQUIRE A SIGNATURE MUST BE FULLY AND
ACCURATELY COMPLETED AND SIGNED BY A PERSON WHO IS AUTHORIZED TO BIND THE BIDDER, OR
THE BID MAY BE REJECTED.**

SUBMITTED BY: Traffic Systems, LLC dBa Taffic Systems & Technology
(legal name of entity)

AUTHORIZED SIGNATURE: 

PRINT NAME AND TITLE: Jon J Bondanella, P.E. VP of Engineering & ITS Sales

ADDRESS: 7390 Merritt Park Dr, Suite 160

CITY/STATE/ZIP: Manassas, VA 20109

TELEPHONE NO.: 703-530-9655 **E-MAIL ADDRESS:** jon@trafficsystem.us

THIS ENTITY IS INCORPORATED IN: Virginia

THIS ENTITY IS A: CORPORATION LIMITED PARTNERSHIP
(check the applicable option) GENERAL PARTNERSHIP UNINCORPORATED ASSOCIATION
LIMITED LIABILITY COMPANY SOLE PROPRIETORSHIP

IS BIDDER AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VIRGINIA? YES NO

IDENTIFICATION NO. ISSUED TO THE ENTITY BY THE SCC: 20-8273620

Any Bidder exempt from Virginia State Corporation Commission (SCC) authorization requirement must include a statement with its bid explaining why it is not required to be so authorized.

BID FORM, PAGE 2 OF 6

HAS YOUR FIRM OR ANY OF ITS PRINCIPALS BEEN DEBARRED FROM SUBMITTING BIDS TO ARLINGTON COUNTY, VIRGINIA, OR ANY OTHER STATE OR POLITICAL SUBDIVISION WITHIN THE PAST THREE YEARS?

YES NO

BIDDER STATUS: MINORITY OWNED: WOMAN OWNED: NEITHER:

1) EQUIPMENT SUBMITTALS

a) The Contractor must submit, detailed product specification and data sheets for the County to review. The submittals must notate:

i) Specific equipment models and configurations intended for use in the Contract ← Data Sheets are provided for each item

ii) Information demonstrating that the submitted equipment complies with the included specifications of the Contract See pecifications with each data sheet

iii) Warranty information for each component (list manufacturer's and/or any extended warranties being provided to satisfy specification requirements) See warranty statement

b) Drawings will be reviewed by the County to verify compliance with the intent of the requirements and will be utilized for bid responsiveness.

THE UNDERSIGNED UNDERSTANDS AND ACKNOWLEDGES THE FOLLOWING:

THE OFFICIAL COPY OF THE SOLICITATION DOCUMENTS, WHICH INCLUDES ANY ADDENDA, IS THE ELECTRONIC COPY THAT IS AVAILABLE FROM THE VENDOR REGISTRY WEBSITE AT: [HTTPS://VRAPP.VENDORREGISTRY.COM/BIDS/VIEW/BIDSLIST?BUYERID=A596C7C4-0123-4202-BF15-3583300EE088](https://vrapp.vendorregistry.com/bids/view/bidslst?buyerid=A596C7C4-0123-4202-BF15-3583300EE088).

VENDORS ARE REQUIRED TO REGISTER ON VENDOR REGISTRY IN ORDER TO SUBMIT A RESPONSE TO THIS INVITATION TO BID. NO RESPONSES WILL BE ACCEPTED AFTER THE BID DUE DATE AND TIME.

POTENTIAL BIDDERS ARE RESPONSIBLE FOR DETERMINING THE ACCURACY AND COMPLETENESS OF ALL SOLICITATION DOCUMENTS THEY RECEIVE FROM ANY SOURCE, INCLUDING THE COUNTY.

The undersigned acknowledges receipt of the following Addenda:

ADDENDUM NO. 1

DATE: 07/08/2021 INITIAL: JJB



ADDENDUM NO. 2

DATE: _____ INITIAL: _____

ADDENDUM NO. 3

DATE: _____ INITIAL: _____

TRADE SECRETS OR PROPRIETARY INFORMATION:

Trade secrets or proprietary information submitted by a Bidder in connection with a procurement transaction will not be subject to public disclosure under the Virginia Freedom of Information Act. Pursuant to Section 4-111 of the Arlington County Purchasing Resolution, however, a Bidder seeking to protect submitted data or materials from disclosure must, before or upon submission of the data or materials, identify the data or materials to be protected and state the reasons why protection is necessary.

Please mark one:

No, the bid that I have submitted does not contain any trade secrets and/or proprietary information.

Yes, the bid that I have submitted does contain trade secrets and/or proprietary information.

If Yes, you must clearly identify below the exact data or materials to be protected and list all applicable page numbers of the bid that contain such data or materials:

BIDDER NAME: Jon J Bondanella, Traffic Systems, LLC



BID FORM, PAGE 4 OF 6

State the specific reason(s) why protection is necessary:

If you fail above to identify the data or materials to be protected or to state the reason(s) why protection is necessary, you will not have invoked the protection of Section 4-111 of the Purchasing Resolution. Accordingly, upon the award of a contract, the bid will be open for public inspection consistent with applicable law.

CERTIFICATION OF NON-COLLUSION: The undersigned certifies that this bid is not the result of or affected by (1) any act of collusion with another person engaged in the same line of business or commerce (as defined in Virginia Code §§ 59.1-68.6 *et seq.*) or (2) any act of fraud punishable under the Virginia Governmental Frauds Act (Virginia Code §§ 18.2-498.1 *et seq.*).

CONTACT PERSON AND MAILING ADDRESS FOR DELIVERY OF NOTICES

Provide the name and address of the person who is designated to receive notices and other communications regarding this solicitation. Refer to the "Notices" section in the draft Contract Terms and Conditions for information regarding delivery of notices.

NAME: Jon J Bondanella, P.E.

ADDRESS: 7390 Merritt Park Dr, Suite 160, Manassas, VA 20109

E-MAIL: jon@trafficsystem.us

Jon J Bondanella, Traffic Systems, LLC





PH: 405-340-3434
 FAX: 405-340-3435
 Edmond, OK 73013
 www.pelcoinc.com

This drawing is the property of Pelco and is not to be used in whole or in part without Pelco's written permission.

ASSEMBLY CUT SHEET

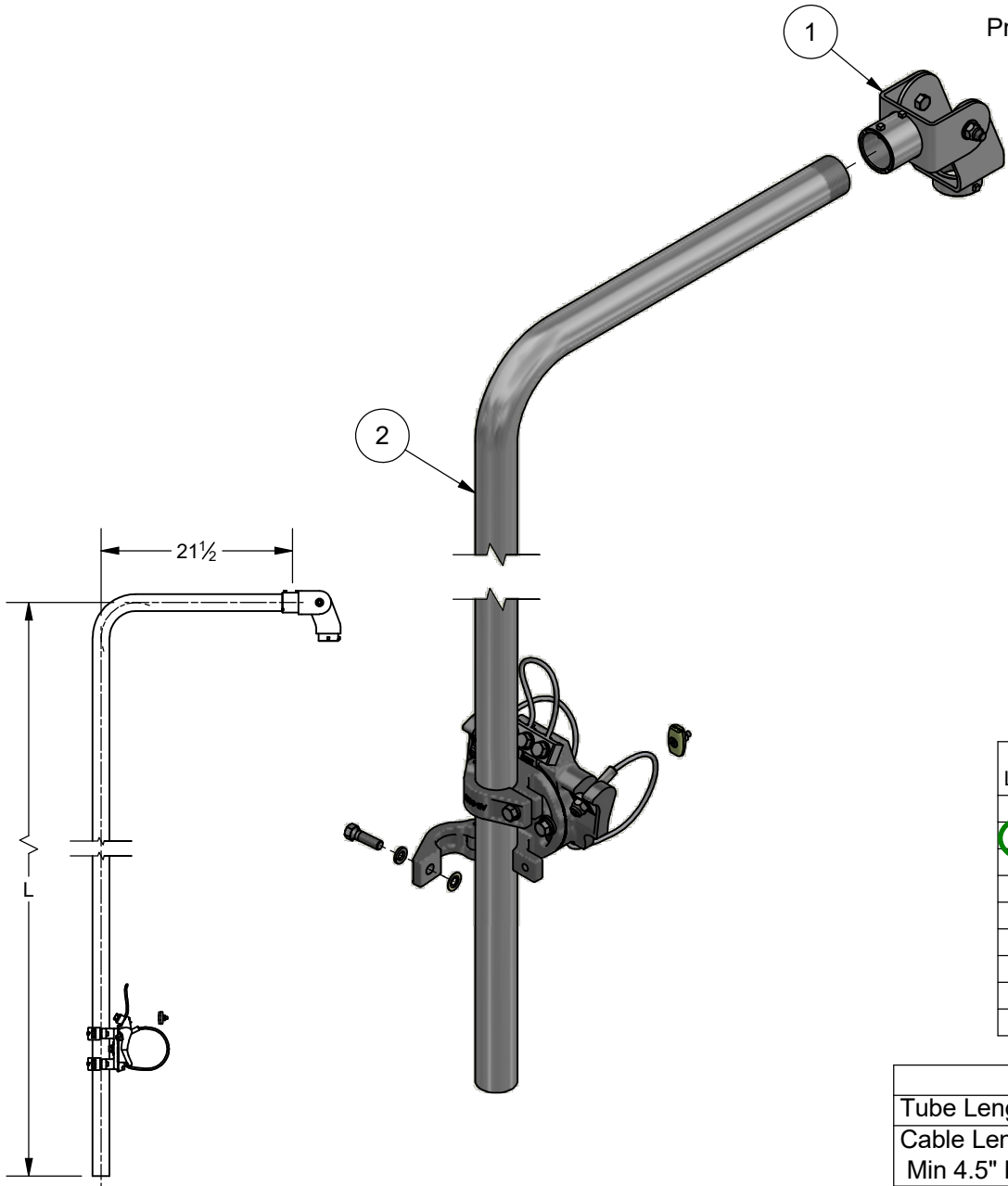
REF:

TITLE:
Camera Bracket, Galaxy Cable Mount for Dome Camera, 1-1/2" NPS, Bent Tube, Alum

PART NO.:
AG-0687

Example Part No.
 AG-0687-60-62-PXX
 AG-0687-60-62-SS-PXX

Tube Length
 Cable Length
 Stainless Upgrade
 Process No Color=PNC
 Paint=PXX



Cable Length	Max Pole Dia	Max Pole Dia w/ Ty-Back
62"	7.0"	4.5"
84"	10.5"	7.6"
96"	12.4"	9.6"
110"	14.6"	11.8"
120"	16.2"	13.4"
132"	18.2"	15.3"
144"	20.1"	17.2"
220"	32.2"	29.3"
280"	35.0"	35.0"

Options	
Tube Length:	60" 96" 120"
Cable Length:	Min 4.5" Pole Dia, Max See Chart
SS=Stainless Upgrade	
Paint	

Note: Stainless Upgrade=Stainless cable on clamp kit.

Pelco Assy.dwg 8/20/18

ITEM	PART NUMBER	DESCRIPTION	QTY
1	SH-1523	Camera Mount, Offset Articulating, 1-1/2" NPS, Alum	1
2	SE-4516-L	Pipe, Bent 90° for Camera Mount, 1-1/2" NPS Sch 40 x Length x 21-1/2", Alum	1
3	AG-3055-L-GLV-PXX	Astro-Brac Clamp Kit, Galaxy Hinged, Galv Cable, Alum	1



**IP68 Protection with
Lifetime Warranty
on Moisture Ingress**



 **Made in the USA & NDAA Compliant**

Advanced Optics

- Superior 1080p60 image quality
- Powerful 30x optical zoom with 12x digital zoom (360x total)
- Day/Night ICR Technology
- Extreme low-light sensitivity of 0.00008 fc
- Image defog/dehaze analytics
- Electronic image stabilization (EIS)
- Superior Wide Dynamic Range of 130db
- 2D/3D Image Noise Reduction
- Superior Color Rendition

Rugged Construction

- Designed Specifically for the ITS market
- Operates in hurricane force winds
- Built-in electrical transient/surge protection to CISPR 24 levels
- Precision positioning of 0.1°
- Pressurized IP68 ingress protection
- NEMA® TS2 temperature, -40°C to 75°C
- **Three Year Standard Warranty**
- Lifetime Warranty on moisture ingress into camera head enclosure

Installation and Interoperability

- ONVIF® Profile S and T compliant
- NTCIP 1205 compliant
- Hybrid IP/analog video-serial PTZ operation
- H.264, H.265 and MJPEG encoding
- Intelligent ITS Video Analytics
- HTML5 video decoding
- Web server configuration, operation and viewing
- Inverted mounting capability
- Single CAT5e cable with PoE++
- Pendant, wall and pole mounting bracket options
- Presets, tours, sectors and privacy zones
- LDAP, RADIUS, TACACS+ user authentication

Command Core+™ Action Engine

- Automated camera responses
- Preset/Tour activations
- Digital I/O triggers and actions
- Image snapshots with FTP/EMAIL delivery
- Built-in Configuration Wizards
- Three trigger queuing modes

CostarHD's RISE 4220HD dome positioning system combines crystal clear HD image quality, bandwidth efficient H.265 or H.264 compression, smooth variable speed positioning and IP68 protection delivering the CostarHD quality and performance you expect!

The RISE 4220HD provides full 1080p imaging with 30x optical zoom, delivering full frame rate HD images over the entire zoom range for very cost effective long-range surveillance applications.

The quality of RISE 4220HD HD zoom optics far exceeds realized magnification range and magnification of 36x optics advertised in other products.

True day/night technology using a removable IR cut filter produces exceptional low light sensitivity down to 0.00008 fc.

For installations subject to wind or vibration, electronic image stabilization assures steady, clear images.

The RISE 4220HD includes defog/dehaze image processing, enhancing video performance in foggy and hazy conditions encountered in surveillance and traffic monitoring applications.

The RISE 4220HD includes variable hi-speed pan and tilt drive, with 360° continuous pan and +10° to -90° tilt. Fast positioning speeds result in 180° movements in less than 1.5 seconds.

Providing multiple video stream profiles, the RISE 4220HD delivers up to 4 or more independently configured H.265/H.264/ MJPEG streams.

The RISE 4220HD provides a full function web server, allowing complete administrative and operator control capabilities.

The RISE action engine generates automated system responses to input triggers including date/time schedules and repetitive timers that can activate output actions including presets, image snapshots with FTP/EMAIL uploads, OSD displays and digital outputs.

The RISE 4220HD is designed to operate in harsh weather with its IP68 enclosure protection. This eliminates the effects of water intrusion, pollutants and corrosives.

CostarHD delivers years of clean, reliable images and backs it with a world class three-year warranty.



youtube.com/CostarHD
linkedin.com/company/CostarHD
twitter.com/CostarHD
facebook.com/CostarHD
CostarHD.com

CAMERA

Sensor	1/2.8" Exmor R CMOS
Scanning	Progressive
Resolution	1,920 x 1,080 (1080p)
Capture Rate	60 fps
Camera Format	Day/Night (IR Cut Filter)
S/N Ratio	>50db

SENSITIVITY

Standard	(f1.6, 1/30, 50 IRE)
Color	0.01 lux (0.001 fc)
B/W	0.0015 lux (0.00015 fc)
Digital Slow Shutter	(f1.6, 1/3, 30 IRE)
Color	0.0013 lux (0.00013 fc)
B/W	0.0008 lux (0.00008 fc)

OPTICS

Zoom Lens	30x, 4.3 to 129mm
Aperture	f1.6 -> f4.7
HAFOV	63.7° to 2.1° @ 1920x1080
Focus Modes	Auto/Manual [Near/Far], Normal, Interval, Zoom Trigger
Focus Sensitivity	Normal/Low
Iris	Auto/Manual [Open/Close]
Lens Speed	Three [Slow, Medium, Fast]
Digital Zoom	12x, Off/On [Depth]

IMAGE PROCESSING

Day/Night Mode	Auto, Color, B/W
Exposure Mode	Auto/Manual
Back Light Comp	Off/On
Shutter	Auto/Manual [1/1 -> 1/10,000 - 22 step]
Digital Slow Shutter	Off/On [1/30->1/1] with Limit Setting
Defog Mode	Off/On/Auto [Defog Strength]
Image Stabilization	Off/On
Dynamic Range	130db, On/Off [Normal, Enhanced]
White Balance	Auto, Indoor, Outdoor, ATW, Sodium Vapor (Fix/Auto/Outdoor Auto)
AGC	1 to 48db, Adjustable
Noise Reduction	Off, 2D[NR Level], 3D [NR Level]

IP STREAM

Video Streams	4 independently configurable dependent on available processing budget
Video Codec	H.264 [M, H]/H.265 [M], MJPEG
Video Protocols	RTSP/RTMP RTSP Interleave HTTP Tunneling RTP Multicast
Video Resolution	1080p, 720p, D1 (NTSC and PAL), VGA, CIF, QVGA
Video Frame Rate	Up to 60 fps, 30 fps default
Video Data Rate	64Kbps to 8Mbps
Video Rate Cntrl	CBR, VBR
Video GOV	1 to 600, 30 default
Video Latency	Four frames (0.133 sec.)
Video Trans.	99.999% error free

NETWORK INTERFACE

Network Format	802.3u 100Base-T, MDI-X auto-sensing, full duplex
Network Protocol	TCP, UDP, IPv4, ICMP, DNS, IGMPv2/v3, DHCP, RTP, RTSP, RTCP, NTP, HTTP, SOAP, HTTPS, ARP, FTP, SMTP, SNMP v1 2 3, TLS, SSL, AES, SMTP, QoS, NTCIP, Telnet, 802.1X, ONVIF Profile S and T, TACACS+, LDAP, Radius, LLDP
Media Players	VLC, Quick Time or any media player compliant with RFC 2326, 3984, 3550, 2435, ISO/IEC 13818-1
ONVIF	Profile S and T
Camera Protocols	ONVIF Profile S and T, NTCIP 1205, CoHuT, CoHuHD legacy, FAST, Pelco D
Security	4 Levels: Admin, Operator, User, Anonymous [User Name + Password], Digest Authentication, Centralized Authentication
Updates	File upload over network using camera web server interface
Configurations	Stored in Non-Volatile Memory
Browsers	Edge, Firefox, Chrome

DIGITAL I/O INTERFACE

Digital Circuits	Two digital I/O circuits, user defined as either input or output
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ANALOG INTERFACE

Video Format	EIA-170A/RS-330 NTSC or PAL Video Format, 1 Volt ^{pp} , 75 ohm output impedance
Serial Data PTZ	EIA RS422, Software configurable over IP for full/half duplex, 1,200 to 115k baud, data, stop and parity bit configurations.
Protocols	CohuHD Legacy, Pelco D/P, Ultrak, NTCIP 1205, A/D, FAST, Javelin

VIDEO ANALYTICS (VA)

ITS Standard*	Vehicle Detection, Count and Speed, % Change of Speed, Multiple View Analytics/PTZ Presets
ITS Advanced*	Includes ITS Standard plus Vehicle Classification, Traffic Incident Detection, Stopped Vehicle, Wrong Way Direction, Pedestrian Detection
VA Notifications	ONVIF Events, SNMP Traps, Command Core+ Action Engine Output, CSV Files, Web Interface Display

SNMP Traps	Vehicle Detected, Wrong Way Vehicle, Incident, Stopped Vehicle, Speed Change
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COMMAND CORE+ ACTION ENGINE

Input Triggers	Digital input, FTP error, Valid or invalid login, Tour stopped, Timer, Scheduler, Video Analytic Event, Preset reached, PTZ moved, Maintenance, User command
Output Actions	Digital Output, Activate Wiper, FTP Image, Send Email, Send Text, Start Preset or Tour, Display OSD Message, Timer/Scheduler On/Off Mode Control, Delay, Reset System, Clear Analytics Stats
Trigger Queuing	User selectable mode. Processes output actions by trigger priority, first in, or last in.
Servers	Multiple FTP and EMAIL servers can be configured for use by camera system

ON SCREEN DISPLAY (OSD)

OSD Capacity	Up to 7 OSD Elements can be selected for display on video
OSD Elements	Text, Preset, Position, Compass, Date/Time, Sector, Maintenance, Action Event
OSD Characters	Up to 40 characters per text element
OSD Size	Adjustable from 12, 18, 24, 30, 36, 42, 48, 54, 60, 72, 84 or 96 pt. size
OSD Color	White, Black, Green, Red, Blue
OSD Transparency	Adjustable from 0-100%
OSD Background	Transparent, Black
OSD Location	Upper Right/Left, Lower Right/Left, Center, Custom
Banner Display	On/Off, Top/Bottom, 4 OSD elements
Logo Display	BMP, GIF, JPEG, PNG Format, [x,y] position, Transparency

PRIVACY MASKS

Capacity	Up to 24 rectangular masks, displayed on 8 places per screen simultaneously.
Color	User selectable
Mask Interlock	Mask positions and size are scaled and interlocked with PTZ movements

* License Fee Required

POSITIONING DRIVE

Pan/Azimuth Range	360° continuous rotation
Tilt/Elevation Range	+10° to -90°, 200° total
Preset Speed	Peak speed of 300°/sec 180° movement < 1.5 Seconds
Manual Speed	0.1° to 80°/second
Speed Resolution	> 64 Variable speed levels
Repeatability	+/- 0.1°
Resolution	+/- 0.1°
Presets	Up to 256, Includes pan, tilt, zoom, focus, preset ID, I/O output state
Tours	Up to 256, Includes presets with dwell, speed, direction and recurrence properties.
Auto Park	Returns to a preset or tour after timer expires, Timer Value [Off, 1 Minute to 999 Hours]
Features	Auto focus/iris on PTZ, Proportional PTZ, Video freeze on preset, High wind/vibration mode, Set north calibration,

ELECTRICAL

Input Voltage	PoE+, PoE++ or 24VAC/DC Model Dependent
Power	PoE++ and 24VAC/DC 20W, 60W with heater ON PoE+ 20W, 25.5W with heater ON
Voltage Range	NEMA standard TS 2-2003 section 2.2.7 tests C thru H
Transient/Surge Emmissions	Certified to CISPR 24 levels Certified to CISPR 22 levels

MECHANICAL

Weight	12.5lbs (5.7kg) Camera 16.5lbs (7.5kg) Shipping
Dimensions	Refer to dimensional diagram 15"x15"x15" Shipping (381 x 381x 381 mm)
Construction	Powder Coated aluminum
Sunshield	Included as standard
Color	Light Gray Cardinal Coating T241-GR142
Dome window IK10	Nylon, Optically Correct Camera System except dome window is IK10

ENVIRONMENTAL

Protection Rating	IP68, Pressurized with Dry Nitrogen, 3.5 psi. Water immersion at 1m for 24 hours with no water ingress. Lifetime warranty on moisture ingress.
Operating Temp	PoE++ and 24VAC/DC Models -40°F to 165°F (-40°C to 75°C) Per NEMA TS2, para 2.2.7

Internal Heaters	4228-1000 PoE+ Model -4°F to 165°F (-20° to 75°C) Two DC resistive heater assemblies, software controlled, to maintain internal heat for operation down specified operating temperatures above.
Relative Humidity	Operation from 0-100%
Vibration	Per NEMA TS2 para. 2.2.8. 5-30Hz sweep @ 0.5g applied in each of 3 mutually perpendicular planes.
Shock	Per NEMA TS2 para. 2.2.9. 10g applied in each of 3 mutually perpendicular planes
Corrosion	MIL-STD-810G, Method 509.5, Paragraph 4.5.2, ANSI NCSL Z540-1, ISO 17025:2005
Wind Survivability	Up to 150mph - 120 mph for 45 minutes - 150 mph for 15 minutes
MTBF	330,000 hours, based on HALT Steady State Field MTBF calculations

EMC CERTIFICATIONS

CE, FCC Part 15B, RoHS
AS/NZS CISPR 22:2009+A1:2010
CAN/CSA-CISPR 22-10
EN 55022:2010+AC: 2011
EN 55024:2010
EN 61000-3-2:2006 +A1:2009+A2:2009
EN 61000-3-3:2013
EN 61000-4-2: 2009
EN 61000-4-3: 2006 +A1:2008 +A2:2010
EN 61000-4-4: 2004
EN 61000-4-5: 2006
EN 61000-4-6: 2009
EN 61000-4-8: 2010
EN 61000-4-11: 2004

ACCESSORIES**Mounts**

Wall	7411420-001
Pole	8518-2

Field Cables

CAT5e Cables	8194602-xxx [where xxx = 025, 055, 100, 150, 200, 250, 300, 328] denoting cable length in feet. Includes RJ45 connectors at each end of cable.
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Power Supply

7412007-003	PoE++, 60W, 110/220VAC Input, IP50, -40 to 74°C, Surface Mount
7412007-004	PoE++, 60W, 12-48VDC Input, IP50, -40 to 74°C, DIN Rail
7411543-010	24VAC, 100VA, 110/220VAC, IP66, -34 to 74°C

PD-9501GO-ET	Outdoor IP67 Rated PoE++ Power Supply, Surface Mount, -40 to 65°C
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RJ45 Coupler

7610203-002	CAT5/6 RJ45 IP67 Coupler
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Ethernet Surge Protection

7412009-001	Outdoor IP67 rated ethernet/PoE++ surge protection device
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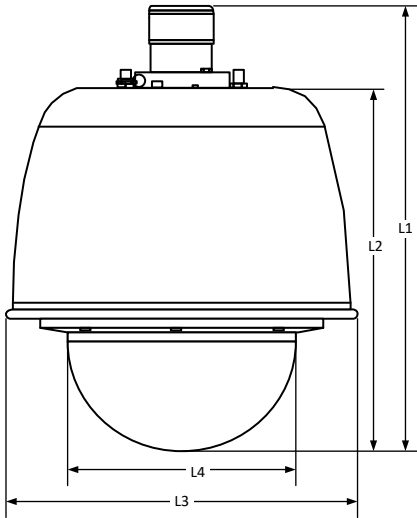
WARRANTY

Lifetime warranty on dome enclosure moisture ingress. Three (3) years on camera and positioner system.

ORDERING INFORMATION

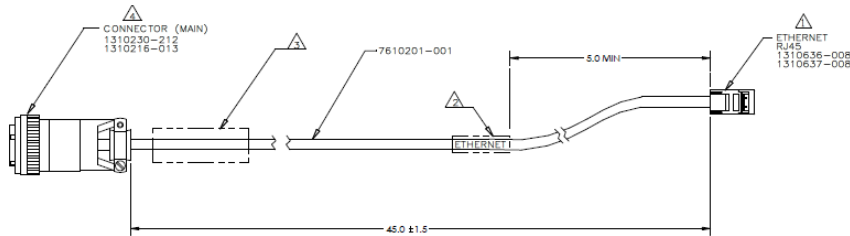
4220-1000-03	RISE IP68 Dome Camera System with 1080p 30x camera, H.264/H.265 IP encoder, pan/tilt positioner and IP68 enclosure system. 60W PoE++ power. Includes a 45" RJ45 male pigtail.
4224-1000-03	RISE IP68 Dome Camera System with 1080p 30x camera, H.264/H.265IP encoder, pan/tilt positioner and IP68 enclosure system. 24Vac/dc power. 18 pin MS connector
4228-1000-03	RISE IP68 Dome Camera System with 1080p 30x camera, H.264/H.265 IP encoder, pan/tilt positioner and IP68 enclosure system. 25.5 W PoE+ power. Includes a 45" RJ45 male pigtail.

DIMENSIONS



Dimensions	L1	L2	L3	L4
Inches	14.3	11.7	11.4	7.0
Millimeters	363.2	297.2	289.6	177.8

RJ45 PIGTAIL INCLUDED



RISE Series IP Video Cameras

Rugged Innovation with Superior Endurance

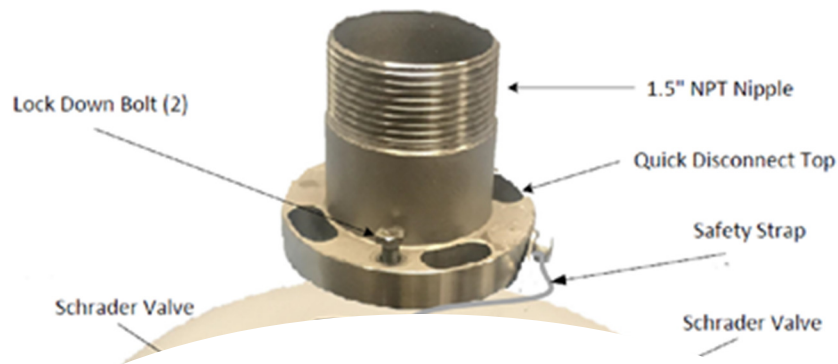
The RISE Series IP video cameras are designed and built by CostarHD for critical infrastructure applications demanding high-quality images, rugged construction and seamless interoperability. The RISE Series delivers advanced performance at unbeatable pricing.

About CostarHD™

CostarHD is a leading manufacturer of high-definition video systems designed to satisfy the demanding performance requirements for critical infrastructure applications. CostarHD solutions integrate the latest high-definition video imaging and compression technologies into ruggedized camera products for monitoring in critical, sensitive environments.

5.0 Product Overview

The 4220HD Series Camera System is an IP camera system inside an environmentally sealed and pressurized dome enclosure.





7390 Merritt Park Drive, Suite #160
Manassas, VA 20109
Phone 703.530.9655
Fax 703.530.9656
www.trafficsystems.us

July 8, 2021

Arlington Bid# 21-DES-ITB-633

We verify that the materials supplied for this contract meet the warranty requirements listed in this document on page 11 under II. Scope of Services 4) Warranty.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jon J Bondanella', is written over a light blue horizontal line.

Jon J Bondanella, P.E.
VP of Engineering & ITS Sales

BID FORM, PAGE 6 OF 6

INSURANCE CHECKLIST

CERTIFICATE OF INSURANCE MUST SHOW ALL COVERAGE AND ENDORSEMENTS MARKED "X".

COVERAGES REQUIRED

LIMITS (FIGURES DENOTE MINIMUMS)

- 1. Workers' Compensation..... Statutory limits of Virginia
- 2. Employer's Liability.....\$500,000/accident, \$500,000/disease, \$500,000/disease policy limit
- 3. Commercial General Liability.....\$1,000,000 CSL BI/PD each occurrence, \$1 Million annual aggregate
- 4. Premises/Operations.....\$500,000 CSL BI/PD each occurrence, \$ 1 Million annual aggregate
- 5. Automobile Liability.....\$1 Million BI/PD each accident, Uninsured Motorist
- 6. Owned/Hired/Non-Owned Vehicles.....\$1 Million BI/PD each accident, Uninsured Motorist
- 7. Independent Contractors.....\$1 Million CSL BI/PD each occurrence, \$1 Million annual aggregate
- 8. Products Liability..... \$1 Million CSL BI/PD each occurrence, \$1 Million annual aggregate
- 9. Completed Operations.....\$1 Million CSL BI/PD each occurrence, \$1 Million annual aggregate
- 10. Contractual Liability (Must be shown on Certificate) \$1 Million CSL BI/PD each occurrence, \$ 1 Million annual aggregate
- 11. Personal and Advertising Injury Liability..... \$1 Million each offense, \$1 Million annual aggregate
- 12. Umbrella/Excess Liability..... \$1 Million Bodily Injury, Property Damage and Personal Injury
- 13. Per Project Aggregate
- 14. Professional Liability
 - a. Architects and Engineers..... \$1 Million per occurrence/claim
 - b. Asbestos Removal Liability\$2 Million per occurrence/claim
 - c. Medical Malpractice..... \$1 Million per occurrence/claim
 - d. Medical Professional Liability..... \$1 Million per occurrence/claim
- 15. Miscellaneous E&O/ Professional Liability \$1 Million per occurrence/claim
- 16. Motor Carrier Act End. (MCS-90) \$1 Million BI/PD each accident, Uninsured Motorist
- 17. Motor Cargo Insurance
- 18. Garage Liability.....\$1 Million Bodily Injury, Property Damage per occurrence
- 19. Garage keepers Liability.....\$500,000 Comprehensive, \$500,000 Collision
- 20. Inland Marine-Bailee's Insurance..... \$ _____
- 21. Moving and Rigging Floater..... Endorsement to CGL
- 22. Dishonesty Bond..... \$ _____
- 23. Builder's Risk..... Provide Coverage in the full amount of contract
- 24. XCU Coverage..... Endorsement to CGL
- 25. USL&H..... Federal Statutory Limits
- 26. Carrier Rating shall be Best's Rating of A-VII or better or its equivalent
- 27. Notice of Cancellation, nonrenewal or material change in coverage shall be provided to County at least thirty (30) days prior to action.
- 28. The County shall be named Additional Insured on all policies except Workers Compensation, Errors and Omissions/Professional Liability and Auto.
- 29. Certificate of Insurance shall show Bid Number and Bid Title.
- 30. Environmental Impairment Liability, including coverage of on-site clean up.....BI/PD \$3 Million per occurrence/\$6 Million Aggregate
 - a In addition to environmental impairment liability, work requires clean up, remediation, and/or removal of bio-solids, bio-hazardous waste, and any hazardous or toxic material via transportation request:
 - Business Auto Liability \$2 Million per occurrence with MCS-90 and CA 9948 (or equivalent endorsements specifically referenced in the certificate of insurance
- 31. Cyber insurance..... \$2 Million per occurrence/Aggregate
- 32. OTHER INSURANCE REQUIRED: _____

INSURANCE AGENT'S STATEMENT:

I have reviewed the above requirements with the Offeror named below and have advised the Offeror of required coverages not provided through this agency.

AGENCY NAME: _____

AUTH. SIGNATURE: _____

OFFEROR'S STATEMENT:

If awarded the Contract, I will comply with all Contract insurance requirements.

BIDDER NAME: _____

AUTH. SIGNATURE: _____

n/a - because this is a material contract