

INVITATION TO BID	CITY OF BATON ROUGE PARISH OF EAST BATON ROUGE PURCHASING DIVISION	RESPONSES MUST BE RECEIVED BY: 08/18/2022 11:00 AM CST
TITLE: RQ8805- Video Detection Camera System with Integrated Radar Detection	RETURN BID TO: PURCHASING DIVISION	
FILE NO: 8805-21 REQ NO: RQ8805 AD DATES: 08/03 & 08/11	<u>Mailing Address:</u> PO Box 1471 Baton Rouge, LA 70821	<u>Physical Address:</u> 222 St. Louis Street 8 th Floor Room 826 Baton Rouge, LA 70802 ***NOTE: U.S. Postal Regular & Expedited Mail do not deliver to our physical address; delays may occur due to City-Parish Mailroom processing
SHIP TO ADDRESS: City of Baton Rouge Trans & Drain-Traffic Eng. 329 Chippewa Street Suite A Baton Rouge, LA 70802	Contact Regarding Inquiries: Purchasing Analyst Arvin F. Jones Telephone Number: 225-389-3259 x 3267 Email: afjones@brgov.com	
VENDOR NAME	MAILING ADDRESS	
REMIT TO ADDRESS	CITY, STATE, ZIP	
TELEPHONE NO.	FAX NO.	E-MAIL
FEDERAL TAX ID OR SOCIAL SECURITY NUMBER	TITLE	
AUTHORIZED SIGNATURE (Required)	PRINTED NAME	

QUESTIONS TO BE COMPLETED BY VENDOR:

1. _____ STATE DELIVERY DAYS MAXIMUM AFTER RECEIPT OF ORDER
2. _____ % discount for payment made within 30 days. Discount for payment made in less than 30 days, or less than 1%, or applicable to an indefinite quantity contract will be accepted but not an award consideration.
3. _____ STATE ENUMERATED ADDENDA RECEIVED (IF ANY)

F.O.B.: DESTINATION - PAYMENT TERMS: NET 30

ALL BLANKS ON THIS PAGE SHOULD BE COMPLETED TO AVOID REJECTION OF BID

The signature on this document certifies that proposer has carefully examined the instructions to bidders, terms and specifications applicable to, and made a part of this solicitation. By submission of this document, proposer further certifies that the prices shown are in full compliance with the conditions, terms and specifications of this solicitation. **Bid must be signed in the designated space above and by person authorized to sign for bidder**

No alterations, changes or additions are allowed on this solicitation, and no additional information, clarifications or other documents are to be included unless specifically required by the specification. Any errors in extensions of prices will be resolved in favor of unit prices submitted.

If services are to be performed in East Baton Rouge City-Parish, evidence of a current occupational license and/or permit issued by the City-Parish shall be supplied by the successful vendor, if applicable.

INSTRUCTIONS TO BIDDERS / TERMS & CONDITIONS - SEALED BIDS

Bidders are urged to promptly review the requirements of this specification and submit questions for resolution as early as possible during the bid period. Questions or concerns must be submitted in writing to the purchasing division during the bid period. Otherwise, this will be construed as acceptance by the bidders that the intent of the specifications is clear and that competitive bids may be obtained as specified herein. Protests with regard to the specification documents will not be considered after bids are opened.

1. Read the entire bid, including all terms and conditions and specifications.
2. Bids are mailed only as a courtesy. The City - Parish does not assume responsibility for failure of bidders to receive bids. Bidders should rely only on advertisements in the local newspaper, and should personally pick up bids and specifications. Full information may be obtained, or any questions answered, by contacting the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802 or by calling (225) 389-3259. **The City will not accept fax proposals or proposals sent via e-mail. All faxed or e-mailed proposals shall be rejected and returned.**
3. The bid number, bidder's name, address and bid opening date should be clearly printed or typed on the outside of the bid envelope. Only one bid will be accepted from each bidder for the same job. Alternates will not be accepted unless specifically requested in the proposal. Submission of more than one bid or alternates not requested may be grounds for rejection of all bids by the bidder.
4. The method of delivery of bids is the responsibility of the bidder. All bids must be received by the Purchasing Division on or before the specified bid opening date and time. Late bids will not be considered under any circumstances.
5. Failure to deliver within the time specified in the bid will constitute a default and may cause cancellation of the contract. Where the city has determined the contractor to be in default, the city reserves right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.
6. The City Parish specifically reserves the right to evaluate bids and award items separately, grouped or on an all or none basis, to accept the bid which is in the best interest of the City parish, and to reject all proposals if that is in the best interest of the City Parish.
7. Bids submitted through the www.centralbidding.com on-line bidding site, bids shall be accepted only on proposal forms furnished by the City of Baton Rouge and Parish of East Baton Rouge Purchasing Division. The City - Parish will only accept bids from those bidders in whose names the proposal forms and/or specifications were issued. Altered or incomplete proposals, or the use of substitute forms or documents, shall render the bid non-responsive and subject to rejection. The entire proposal package, including the specifications and copies of any addenda issued shall be submitted to the Purchasing Division as the bid.
8. All bids must be typed or written in ink. Any erasures, strikeover and/or changes to prices should be initialed by the bidder. Failure to initial may be cause for rejection of the bid as non-responsive.
9. All bids must be manually signed by a properly authorized party. Failure to do so shall cause the bid to be rejected as non-responsive.
10. Where one or more vendor's exact products or typical workmanship is designated as the level of quality desired or equivalent, the Purchasing Division reserves the right to determine the acceptability of any equivalent offered.
11. Detailed factory specifications, illustrative literature and any deviations should be submitted with bid as required by the specifications or on the bid form. Representative samples shall be submitted upon request, if appropriate. Bidders proposing an equivalent brand or model should submit with the bid information (such as illustrations, descriptive literature, and technical data) sufficient for the City to evaluate quality, suitability, and compliance with the specifications in the solicitation.
12. Written addenda issued prior to bid opening which modifies the bid shall become a part of the bid, and shall be incorporated within the purchase order and/or contract. Only a written interpretation or correction by Addendum shall be binding. Bidders shall not rely upon any interpretation or correction given by any other method. Failure to acknowledge receipt of addenda (if any) shall render the bid non-responsive and subject to rejection.

13. For Printing solicitations, artwork, dies and/or molds shall become the property of the City - Parish Government and must be returned to the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802, upon completion of the order.
14. All applicable chemicals, herbicides, pesticides and hazardous materials must be registered for sale in Louisiana by the Department of Agriculture, State of Louisiana, registered with the EPA and must meet all requirements of Louisiana State Laws. Bidders must submit product label, material safety data sheet and EPA registry number with bid. This information will be required on any subsequent deliveries if there is a change in chemical content or a different product is being supplied. Failure to submit this data may be cause for the bid to be rejected or the contract canceled.
15. Delivery of items must be made on time to City - Parish final destinations within East Baton Rouge Parish. All freight charges shall be prepaid by vendor. Late deliveries or unsatisfactory performance may be cause to cancel the Purchase Order or contract.
16. The State of Louisiana Code of Governmental Ethics places restrictions on awarding contracts or purchase orders to persons who are employed by any agency of the City - Parish Government, or any business of which he or his spouse has more than a twenty-five percent (25%) interest. The Code also prescribes other restrictions against conflict of interest and establishes guidelines to assure that appropriate ethical standards are followed. If any question exists regarding potential violation of the Code of Ethics, bidders should contact the Purchasing Division prior to submission of the bid. Any violation of the Code of Ethics shall be grounds for disqualification of bid or cancellation of contract.
17. All Prices bid shall remain in effect for a period of at least sixty (60) days. City - Parish purchases are excluded from state and local taxes.
18. Acceptance of award by vendor, either in writing or by shipment of any article described herein, shall effectuate a contract between City - Parish and vendor for the materials described herein, and no additional conditions or amendments shall have any effect unless approved in writing by City - Parish.
19. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Information pertaining to completed files may be secured by visiting the EBR City Parish Purchasing office during normal working hours.
20. The City - Parish is an equal opportunity employer, and does not discriminate against anyone on the basis of race, sex, creed, color, religion, national origin, ancestry, reprisal, disability, sexual orientation, marital status or political affiliation.
21. In accordance with Louisiana Revised Statutes, a preference may be allowed for equivalent products produced, manufactured or grown in Louisiana and/or firms doing business in the State of Louisiana. Do you claim this preference if allowed? YES ____ NO _____. If this preference is claimed, attach substantiating information to the proposal to show the basis for the claim.
22. Right To Audit Clause: The Contractor shall permit the authorized representative of the City-Parish to periodically inspect and audit all data and records of the Contractor relating to his performance under this contract.
23. Terms and Conditions: This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, vendor agrees that contrary terms and conditions which may be included in their bid are nullified; and agrees that this contract shall be construed in accordance with this solicitation and governed by the laws of the State of Louisiana as required by Louisiana Law.
24. In accordance with the provisions of LA. R.S. 38:2212.9, in awarding contracts after August 15, 2010, any public entity is authorized to reject the lowest bid from, or not award the contract to, a business in which any individual with an ownership interest of five percent or more has been convicted of, or has entered a plea of guilty or **Nolo Contendere** to any state felony crime or equivalent federal felony crime committed in the solicitation or execution of a contract or bid awarded under the laws governing public contracts under the provisions of Chapter 10 of this Title, professional, personal, consulting, and social services procurement under the provisions of Chapter 16 of Title 39 of the Louisiana Revised Statutes of 1950, or the Louisiana Procurement Code under the provisions of Chapter 17 of Title 39 of the Louisiana Revised Statutes of 1950.

25. Certification of no suspension or debarment. By signing and submitting any bid for \$25,000 or more, the bidder certifies that their company, any subcontractors, or principals are not suspended or debarred by the general services administration (GSA) in "Audit Requirements In subpart F of the Office of Management and Budget's uniform administrative requirements, cost principles, and audit requirements for federal awards" (Formerly OMB circular a-133).

A list of parties who have been suspended or debarred can be viewed via the internet at <http://www.sam.gov>.

26. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids containing "Payment in Advance" or "C.O.D. requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.

27. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Purchasing Division during normal working hours. Written bid tabulations may be accessed at: <http://city.brla.gov/dept/purchase/bidresults.asp>.

28. Bidders or their authorized representatives are invited via teleconference with the information below on the date and time of this bid opening joining by phone +1-408-418-9388 United States Toll Access code: 263 373 080 (followed by the # button).

29. Alternate numbers to call if number above is not available, which may occur due to network traffic (use the same Access Code, followed by the # button):

30. United States Toll (Boston) +1-617-315-0704

31. United States Toll (Chicago) +1-312-535-8110

32. United States Toll (Dallas) +1-469-210-7159

33. United States Toll (Denver) +1-720-650-7664

34. United States Toll (Jacksonville) +1-904-900-2303

35. United States Toll (Los Angeles) +1-213-306-3065

36. This teleconference number will provide you with live audio access to this bid opening. The link will be live at the noted bid opening time for the date of bid opening.

37. Contractor agrees, upon receipt of written notice of a claim of a claim or action, to defend the claim or action, or take other appropriate measure, to indemnify, and hold harmless, the city, its agents and employees from and against all claims and actions for bodily injury, death or property damages caused by fault of the contractor, its officers, its agents, or its employees. Contractor is obligated to indemnify only to the extent of the fault of the contractor, its officers, its agents, or its employees, however the contractor shall have no obligation as set forth with respect to any claim or action from bodily injury, death or property damages arising out of the fault of the City, its officers, its agents, or its employees.

38. In accordance with Louisiana Law (R.S. 12:262.1 and 12:1308.2), all corporations and limited liability companies must be in good standing with the Louisiana Secretary of State at the time of execution of the contract.

39. Vendors submitting signed bids agree to EEOC compliance and certify that they agree to adhere to the mandates dictated by Title VI and VII of the Civil Right Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1975, and agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

Bidders must agree to keep informed of and comply with all federal, state and local laws, ordinances and regulations which affect their employees or prospective employees.

40. The City of Baton Rouge, Parish of East Baton Rouge launched a new Enterprise Resource Planning (ERP) system, Vendor Self Service (VSS) via Munis. VSS replaced the legacy vendor database and will be used by all departments and agencies citywide.

Vendor Self-Service (VSS) enables vendors to register and maintain information about their organization for the purpose of doing business with City-Parish and receive notifications of business opportunities. The City-Parish procurement activities are subject to the State of Louisiana Public Bid Law, local city-parish ordinances as well as applicable federal statutes as directed by grant providers. Vendors must be registered to receive bid notifications.

New vendors or existing vendors who need to create a VSS account can do so clicking the Registration link at <http://brla.gov/vss>. Vendors are encouraged to review the step by step <https://www.brla.gov/DocumentCenter/View/4899/Vendor-Self-Service-Registration-Guide-PDF> before beginning the registration process which may be assessed at <https://www.brla.gov/DocumentCenter/View/4899/Vendor-Self-Service-Registration-Guide-PDF>.

Additional information regarding how to do business with EBR City-Parish is available at: <https://www.brla.gov/DocumentCenter/View/678>.

We also post our scheduled bid openings, as well as unofficial bid tabulations after the bids have opened at <http://city.brla.gov/dept/purchase/bids.asp>.

Note: Commodity codes are required for setting up your profile. These numbers tell us what commodities and services that you can provide. When agencies request products or services, our buyers pull directly from these numbers to send out solicitations, bids, and quotes. The first 3 numbers are the class numbers; the subclasses are two digit numbers that better describe the commodity or service. For questions regarding commodity codes, please contact purchasing at (225) 389-3259 Ext 0.

Important! - A W-9 Form is required in order to do business with City-Parish. Part of the online enrollment process requires you to upload a completed W-9 form. Please have the completed form in an electronic format so that you can submit it as part of the registration process. The W-9 form can be downloaded from the IRS website. We have created step by step directions on how to properly complete the W-9 Form.

FEDERAL CLAUSES, IF APPLICABLE.

I. Remedies for Breach

Bidder acknowledges that contracts in excess of the simplified purchase threshold (\$150,000.00) shall contain provisions allowing for administrative, contractual, or legal remedies for contractor breaches of the contract terms, and shall provide for such remedial actions as appropriate.

II. Termination and Settlement

Bidder acknowledges that contracts in excess of \$10,000.00 shall contain termination provisions including the manner in which termination shall be effected and the basis for settlement. In addition, such provisions shall describe conditions for termination due to fault and for termination due to circumstances outside of the contractors' control.

III. Access to Records

Bidder acknowledges that all contracts (except those for less than the small purchase threshold) shall include provisions authorizing the recipient, US Funding Agency, the Comptroller General, or any of their duly authorized representatives access to all books, documents, papers, and records of the contractor which are directly pertinent to a specific program for the purpose of making audits, examinations, excerpts, and transcriptions.

IV. Equal Employment Opportunity

Bidder acknowledges that all contracts shall contain provisions requiring compliance with

E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11236 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Dept. of Labor.

V. Copeland "Anti-Kickback" Act

Bidder acknowledges that all construction/repair contracts and sub-grants in excess of \$2,000 shall include provisions requiring compliance with the Copeland "Anti-kickback" Act (18 U.S.C. §3141-3148), which provides that each contractor or sub-recipient shall be prohibited from inducing any person employed in the construction, completion, or repair of public work, to give up any part of the entitled.

VI. Davis-Bacon Act

Bidder acknowledges that all construction contracts in excess of \$2,000 shall include a provision for compliance with the Davis-Bacon Act, which requires contractors to pay laborers and mechanics wages at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. Additionally, contractors shall be required to pay wages not less than once a week.

VII. Contract Work Hours and Safety Standards Act

Bidder acknowledges that all construction contracts in excess of \$2,000, and all other contracts involving the employment of mechanics or laborers in excess of \$2,500 shall include provisions for compliance with sections 102 and 107 of the Contract Work Hours and Safety Standards Act, which requires each contractor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours. Section 107 is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous.

VIII. Rights to Inventions Made Under a Contract or Agreement

Bidder acknowledges that contracts for the performance of experimental, developmental, or research work shall include provisions providing for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and the Small Business Firms Under Governments Grants, Contracts, and Cooperative Agreements"

IX. Clean Air Act

Bidder acknowledges that the Clean Air Act (CAA) is the comprehensive federal law regulating air emissions from stationary and mobile sources. Among other things, this law authorizes EPA to establish National Ambient Air Quality Standards (NAAQS) to protect public health and public welfare and to regulate emissions of hazardous air pollutants

X. Clean Water Act.

The contractor hereby agrees to adhere to the provisions which require compliance with all applicable Standards, orders, or requirements issued under section 508 of the clean water act which prohibits the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA list of violating facilities

XI. Energy policy and conservation act

The contractor hereby recognizes the mandatory standards and policies relating to energy Efficiency which is contained in the state energy conservation plan issued in compliance with the energy policy and Conservation act (P.L. 94-163).

Bidders must agree to keep informed of and comply with all federal, state and local laws, ordinances and regulations which affect their employees or prospective employees

INQUIRY PERIOD

An inquiry period is hereby firmly set for all interested bidders to perform a detailed review of the bid documents and to submit any **written questions** relative thereto. *Without exception*, all questions **MUST** be in writing.

The City-Parish shall not and cannot permit an open-ended inquiry period, as this creates an unwarranted delay in the procurement cycle and operations of our departments. The City-Parish reasonably expects and requires *responsible and interested* bidders to conduct their in-depth review of the bid document and submit inquiries in a timely manner.

All inquiries shall be received by 5:00p.m. on **August 12, 2022**. **INQUIRIES AND/OR QUESTIONS SHALL NOT BE ENTERTAINED THEREAFTER.**


Inquiries are to be directed as follows:


Arvin F. Jones, Senior Purchasing Analyst
City-Parish Purchasing Department
222 St. Louis Street, Room 826 (Hand Delivery)
Baton Rouge, LA 70802
or
P.O.Box 1471
Baton Rouge, LA 70821
or
Email: afjones@brla.gov
or Fax (225) 389-4841

**CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE
PURCHASING DIVISION**


Pricing Sheet

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
0001	<p>SHELF MOUNT CCU</p> <p>NEXT SHELF MOUNT CCU OR APPROVED EQUAL IN ACCORDANCE WITH THE Price include shipping, but not taxes.</p> <p>STATE MAKE AND MODEL NUMBER</p> <hr/>  <p>Picture only denotes the general style, type, character and quality standard approved equal.</p> <ul style="list-style-type: none"> • NEXT TS2SM4 CCU • 1000 FT REEL OF CAT 5 SHIELEDED CABLE • SDLC CABLE • Power 48VDC @ 120W • External Power Supply DIN Rail 110-240VAC • TS2; 2 cam or 4 cam, no video processors required • 4" L x 10.5" D x 10.5" H <p>WDR CAMERAS W/ BRACKETS</p>	5	EACH	\$ _____	\$ _____

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
0002	<p>WDR CAMERAS W/ BRACKETS</p> <p>NEXT WDR CAMERAS W/ BRACKETS OR APPROVED EQUAL IN ACCORDANCE WITH THE Price include shipping, but not taxes.</p> <p>STATE MAKE AND MODEL NUMBER</p> <p>_____</p>  <p>Picture only denotes the general style, type, character and quality standard approved equal.</p> <ul style="list-style-type: none"> • 811 x 508 effective pixels • 540 TV lines minimum • Automatic white balance • >50 dB S/N ratio • Dynamic range >100 Db • .003 lux capable • 3D-DNR Noise Reduction • Focal length and focus adjustable at the rear of housing for a horizontal field of view ranging from 4.5°tele to 48° wide • 12x zoom • Adjustable/auto focus <p>Terminal block type connection</p>	16	EACH	\$ _____	\$ _____

Picture only denotes the general style, type, character and quality standard approved equal.

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
0003	<p>MULTI-SENSOR WITH VIDEO / RADAR UNIT</p> <p>NEXT VECTOR MULTI-SENSOR WITH VIDEO / RADAR UNIT OR APPROVED EQUAL IN ACCORDANCE WITH THE Price include shipping, but not taxes.</p> <p>STATE MAKE AND MODEL NUMBER</p> <p>_____</p>  <ul style="list-style-type: none"> All-in-one detection sensor that combines video and radar for stop bar and advance zone detection to enable advanced safety and adaptive control applications. 	4	EACH	\$ _____	\$ _____

Picture only denotes the general style, type, character and quality standard approved equal.

TOTAL BID LINES 0001 THRU 0003 \$ _____

**CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE
PURCHASING DIVISION**

Specifications:

General: This specification is intended to describe the requirements for A Video Detection Camera (VDC) system may be used to provide real time detection of vehicles on the roadway. These specifications represent standard requirements for City Parish. Bids are based on the totality of "YES" responses. "YES" response(s) provided by bidders that are found to be incorrect during bid evaluation may result in a determination of bid non-responsiveness.

MINIMUM SPECIFICATIONS DESCRIPTIONS. ATTACH DEVIATION NOTES TO PROPOSAL.	MEET SPECIFICATIONS	
	YES	NO
As a minimum (any non-compliance must be marked "NO") each unit shall be equipped This specification establishes the minimum requirements for A Video Detection Camera (VDC) system may be used to provide real time detection of vehicles on the roadway. The VDC system shall relay the presence detection to the signal controller in real time and shall operate in NEMA TS-1 and TS-2 signal controller cabinets. The Integrated Radar Detection System shall provide advanced detection (Volume/Density Detection) to the signal controller cabinets. If bidding other than the brand specified, two (2) copies of detailed technical data must be submitted with the bid. General sales brochures will not be sufficient. The evaluation of the product offered and the determination of the lowest responsive and responsible bidder will be the sole responsibility of the Purchasing Division after consultation with the using agency. Equipment proposed must be fully compatible with existing equipment for the City of Baton Rouge and Transportation & Drainage-Traffic Engineer.		
GENERAL Video Detection Camera System with Integrated Radar Detection:		
A Video Detection Camera (VDC) system may be used to provide real time detection of vehicles on the roadway.		
The VDC system shall relay the presence detection to the signal controller in real time and shall operate in NEMA TS-1 and TS-2 signal controller cabinets.		
The Integrated Radar Detection System shall provide advanced detection (Volume/Density Detection) to the signal controller cabinets.		
The VDC system shall support Ethernet communications for transfer of video and data.		
Using a client-server relationship, the VDC system shall provide a communications interface into the existing communication server application.		
This shall be accomplished using standard TCP/IP network protocols.		
It shall be possible to remotely view real time operation of the VDC system with visible detection zones to indicate on / off state of detector zone.		
VDC System Hardware: The VDC system shall consist of the following components:		
Video Detection Camera (Sensor)		
Integrated Radar Unit & Video Detection Camera (Sensor)		
Modular (rack-mount) communications panel		
The video detection camera shall have resolution of at least 480p (720x480 pixels) video in real time to detect vehicles and extract traffic data and transmit the detector outputs without noise to degrade video detection.		
The camera shall have minimum of 10x optical zoom without affecting the detection zone.		
It shall provide streaming video with detector overlay.		
The modular communications panel shall plug directly into a NEMA detector rack.		
It will use standard inputs and outputs to communicate with the traffic signal controller.		
The wiring termination panel shall provide transient voltage protection for the cabinet interface and the video detection camera using fuses.		

It shall provide connection to the local user via a USB port, and a 10/100 Mbps Ethernet port and a DHCP capable Wi-Fi access point.		
The Video Detection camera shall utilize an Ethernet cable to provide power and communications from the Communications Panel to the Video Detection Camera using IEEE standard Power over Ethernet (PoE) protocol.		
Power filtration and surge suppression for the PoE connections shall be provided as part of the system.		
Integrated Radar Unit:		
The Detection system shall have an integrated radar unit to be used to detect vehicles, bicycles, and pedestrians up to 600’.		
The Radar unit shall share the same enclosure as the camera and have only one mount power/communications point.		
VDC System Software: The VDC system software shall provide, but not be limited to, the following applications:		
Diagnostics, TCP/IP addressable, streaming video, programmable video detection using Boolean logic and vehicle counts.		
The detection shall be reliable under all lighting and weather conditions.		
The system shall allow secure, remote access for configuration, maintenance and video streaming.		
Video Streaming:		
The VDC system shall have the ability to stream video via management software in quad view or through third party applications on a tablet, smartphone or laptop.		
Detection Zone Programming:		
Detection zones shall be user programmable, superimposed on image of approach.		
Each zone shall be user defined, shall provide flashing overlay to indicate on / off state and programmable using Boolean logic.		
Detection zone types shall be, but not be limited to, the following: vehicular and bicycle presence and counts, and differentiation by lane or wrong way detection.		
All detection zone overlays and label data can be shown or hidden based on user’s needs.		
If the video image is lost or becomes unusable by the VDC system, the outputs of the VDC shall place a failsafe recall on the affected phase or phases.		
Data Collection:		
The collection of data, counts, alarms, etc. shall not interfere with the normal operation of the VDC system.		
The data collected shall include, at a minimum; vehicle counts per zone, turning movements independent of the zone, average speeds, vehicle lengths, pedestrian counts, and bicycle counts.		
The VDC software shall be able to retrieve the collected data for a specified period of time and save into a standard file format.		
Power:		
The VDC shall operate normally over an input voltage range of 120 VAC at 60 Hertz (HZ).		
Power consumption shall be no more than sixteen (16) watts.		
No supplemental surge suppression shall be required outside the cabinet.		
Environmental:		
Shall operate at temperatures -30° F to +165° F and shall be capable of operating within weather conditions in Louisiana.		
Must be constructed so as to be water proof to the IP67 standard.		
It shall conform to the NEMA TS-2 standard. Mount shall withstand 130mph windload.		
Installation and Training:		
The supplier of the VDC system shall supervise the installation and programming, as needed by the contracting agency.		
The supplier will provide training to the contracting agency as needed or as contracted.		

A User's Guide and Tech Notes will be made available with the supplied equipment digitally.		
Warranty, Service and Support:		
All VDC system components shall be warranted for a minimum of three (3) years.		
All software/firmware updates will be provided free by the system supplier for the life of the unit.		
A technical support phone number shall be provided by supplier for free technical support for the life of the system.		
SHELF MOUNT CCU		
NEXT TS2SM4 CCU		
1000 FT REEL OF CAT 5 SHIELEDED CABLE		
SDLC CABLE		
Power 48VDC @ 120W		
External Power Supply DIN Rail 110-240VAC		
TS2; 2 cam or 4 cam, no video processors required		
4" L x 10.5" D x 10.5" H		
WDR CAMERAS W/ BRACKETS		
811 x 508 effective pixels		
540 TV lines minimum		
Automatic white balance		
>50 dB S/N ratio		
Dynamic range >100 Db		
.003 lux capable		
3D-DNR Noise Reduction		
Focal length and focus adjustable at the rear of housing for a horizontal field of view ranging from 4.5°tele to 48° wide		
12x zoom		
Adjustable/auto focus		
Terminal block type connection		
MULTI-SENSOR WITH VIDEO / RADAR UNIT		
All-in-one detection sensor that combines video and radar for stop bar and advance zone detection to enable advanced safety and adaptive control applications.		
1/4" CCD		
380,000 effective pixels		
550 Horizontal TV lines		
> 50 dB S/N ratio		
1.0 lux minimum illumination		
2D/3D Noise Reduction		
Automatic white balance		
1 Vpp (sync negative)		
12x optical zoom lens		
f=3.7 mm (wide) to 44.4 mm (tele)		
Indium Tin Oxide, proportional power		
Frequency – 24GHz (K-band)		
Accuracy – Speed 0 to 150 mph ± 1 mph (240 kph ± 1.5 kph)		
Tracked objects – Up to 20		
Detection – Across 4 lanes of traffic		
Weight – 10lbs (4.55 kg)		
Size – 14"H x 15"W x 17"D (35.6cm x 38.1 cm x 43.2 cm)		
EPA – Less than 1.5 sq.		

ATTACH DEVIATION NOTES:

**BIDDER'S ORGANIZATION
BIDDER IS:**

AN INDIVIDUAL

Individual's Name: _____

Doing business as: _____

Address: _____

Telephone No.: _____ Fax No.: _____

A PARTNERSHIP

Firm Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A LIMITED LIABILITY COMPANY

Company Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A CORPORATION

IF BID IS BY A CORPORATION, THE CORPORATE RESOLUTION SHOULD BE SUBMITTED WITH
BID.

Corporation Name: _____

Address: _____

State of Incorporation: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

**IF BID IS BY A JOINT VENTURE, ALL PARTIES TO THE BID SHOULD COMPLETE THIS
FORM.**

CORPORATE RESOLUTION

A meeting of the Board of Directors of _____ a corporation organized under the laws of the State of _____ and domiciled in _____ was held this _____ day of _____, 20__ and was attended by a quorum of the members of the Board of Directors.

The following resolution was offered, duly seconded and after discussion was unanimously adopted by said quorum:

BE IT RESOLVED, that _____ is hereby authorized to submit proposals and execute agreements on behalf of this corporation with the City of Baton Rouge, and Parish of East Baton Rouge.

BE IT FURTHER RESOLVED, that said authorization and appointment shall remain in full force and effect, unless revoked by resolution of this Board of Directors and that said revocation will not take effect until the Purchasing Director of the Parish of East Baton Rouge, shall have been furnished a copy of said resolution, duly certified.

I, _____, hereby certify that I am the Secretary of _____, a corporation created under the laws of the State of _____ domiciled in _____; that the foregoing is a true and exact copy of a resolution adopted by a quorum of the Board of Directors of said corporation at a meeting legally called and held on the _____ day of _____, 20__, as said resolution appears of record in the Official Minutes of the Board of Directors in my possession.

This _____ day of _____, 20__.

SECRETARY