

UPDATED AS OF January 26, 2023

Changes are in red.



REQUEST FOR PROPOSALS (RFP) PUR 23-016 LED DISPLAY and BROADCAST LIGHTING UPGRADES

PROPOSALS WILL BE RECEIVED UNTIL THE HOUR OF 2:00 PM (PT), THURSDAY,
FEBRUARY 9, 2023 IN THE OFFICE OF THE CITY CLERK, FIRST FLOOR, CITY HALL,
425 NORTH EL DORADO STREET, STOCKTON, CALIFORNIA 95202-1997

REQUEST FOR PROPOSALS (RFP)
LED DISPLAY and BROADCAST LIGHTING UPGRADES

Dates and Times are Subject to Change * All times referenced in this RFP are Pacific Time

RFP INFORMATION	
PUR 23-016	
Contact	Alexandria De Lashmutt
Email Address	stocktonbids@stocktonca.gov
Mandatory Pre-Submittal Meeting & Site Tour	<i>January 10, 2023 / 10:00 am (PT)</i> Stockton Arena North End Loading Dock 248 W Fremont St, Stockton, CA 95203
RFP Submittal Mailing, Delivery Address and Electronic Mail	Office of the City Clerk 425 North El Dorado Street, First Floor Stockton, CA, 95202-1997 city.clerk@stocktonca.gov
Due Date for Questions and Clarifications	January 16, 2023 / 7:00 am (PT)
Posted Responses to Questions/Clarifications	January 26, 2023
RFP Submittal Due Date & Time	February 9, 2023 / 2:00 pm (PT) Please note that some overnight delivery services do not deliver directly to the City Clerk's Office. This could result in the proposal arriving in the City Clerk's Office after the proposal opening deadline and therefore, not being accepted.
Bid Security & Bonds	<input type="checkbox"/> Bid Security <input checked="" type="checkbox"/> Bonds
Labor Compliance	<input checked="" type="checkbox"/> DIR Registration* <input checked="" type="checkbox"/> Contractor's License

**May be applicable for subcontractors performing work.*

NOTICE INVITING PROPOSALS

NOTICE IS HEREBY GIVEN that sealed proposals will be received no later than Thursday, February 9, 2023, at 2:00 pm (Pacific Time) by the City of Stockton, California for LED DISPLAY and BROADCAST LIGHTING UPGRADES – PUR 23-016 in strict accordance with the specifications.

The City of Stockton, hereinafter referred to as the “City”, is requesting proposals (RFP) from firms or individuals, hereinafter referred to as “Proponent,” to provide LED display and broadcast lighting upgrades to the City.

The City of Stockton will be upgrading the LED Video Display, Broadcast, Entertainment Lighting and Event Lighting Systems at the Stockton Arena through the issuance of the following Request for Proposal (RFP) documents. Stockton Arena is a 12,000 seat multi-purpose arena located in Stockton, CA and managed on behalf of the City of Stockton by ASM Global. As an active facility, all Proposers must assume they will need to work around the event schedule as it relates to staging and installation activities.

Each sealed proposal shall be marked "PROPOSAL" and shall indicate the project name, number, and proposal opening date, and shall be mailed or delivered to the address below at or before the hour stated. Each Proponent must be licensed in accordance with applicable California State Law.

As part of the American Rescue Plan Act (ARPA) of 2021, the City anticipates receiving a new, “one-time allotment” of federal funds to address local needs generated by the COVID- 19 pandemic. ARPA funds may be used to support a wide variety of locally determined needs, including providing assistance to small businesses and entrepreneurs to improve their business façades, through a business façade improvement program. For a full description of the City’s planned ARPA allocations please see: <https://www.stocktonca.gov/government/departments/manager/ARP/default.html>

Proposal forms and specifications are available on the City’s website at: <https://www.stocktonca.gov/eddbid>.

A MANDATORY PRE-SUBMITTAL MEETING is scheduled for TUESDAY, JANUARY 10, 2023, at 10:00 am (Pacific Time).

Sealed proposals must be delivered to the Office of the City Clerk, City Hall, 425 North El Dorado Street, Stockton, CA 95202. Proponents will only be identified as responding to the RFP; no proposals will be opened or read aloud.

The City reserves the right to reject any/or all proposals received and re-advertise.

For questions about this project, please email stocktonbids@stocktonca.gov. Questions are due by Thursday, January 16, 2023, at 7:00 am (PT).

ELIZA GARZA, CMC, CITY CLERK
CITY OF STOCKTON

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The following terms are used interchangeably throughout this solicitation:

Proponent, Contractor, Proposer

1. BACKGROUND

The City of Stockton, hereinafter referred to as the “City”, is requesting proposals (RFP) from firms or individuals, hereinafter referred to as “Proponents ”or “Contractors” to provide LED display and broadcast lighting upgrades to the City. As part of the American Rescue Plan Act (ARPA) of 2021, the City anticipates receiving additional funding to address local needs generated by the COVID-19 pandemic.

The City of Stockton will be upgrading the LED Video, Broadcast, Entertainment Lighting and Event Lighting Systems at the Stockton Arena through the issuance of the following Request for Proposal (RFP) documents. Stockton Arena is a 12,000 seat multi-purpose arena located in Stockton, CA and managed on behalf of the City of Stockton by ASM. As an active facility, all Proposers must assume they will need to work around the event schedule as it relates to staging and installation activities.

This RFP is intended to procure the full turn-key LED Video, Broadcast, Entertainment and Event lighting systems. **Under the Scope of Work, specifications are broken into three “packages” of required equipment and system as follows:**

Package I: LED Video Display Upgrades,

Package II: Broadcast, Entertainment Lighting Upgrades,

Package III: House and Game Lighting.

Each Package contains General, Product, and Execution sub-sections, specific to that package.

Following Package III, the remainder of the information is comprehensive of the project and pertains to all packages.

Proponents may submit proposals for either a single Package or combination of Packages. The City reserves the right to award to one or more Proponents, whichever is deemed in the City’s best interest.

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2. SCOPE OF WORK

PACKAGE I: STK22-1845 LED VIDEO DISPLAY UPGRADES

PART 1 GENERAL

PROJECT SPECIFICATION DESCRIPTION

The Proponent shall be responsible for the following:

1. Turn-key installation of the LED displays and required processing, including all electrical work and signal cable/conduit that is required. The Proponent is required to provide the design based on their product offering and provide an engineered stamped drawing set as part of their proposal.
2. Removal and disposal of existing displays and video processing that is being replaced in this project.
3. Final engineering of the structural and electrical components required for new system(s), including professional engineering stamp by a licensed/registered engineer in the State of California. Proponent is responsible to certify the weight of the center hung with the new displays and assure that the capacity of the hoist is not exceeded.
4. Supplying a complete and fully operational system as intended by the RFP documents and any subsequent addendums. Prior to entering into a contract for the project, Proponent is responsible for notifying City of any equipment omissions in the RFP documents that would prevent the completion of a fully operational system. If Proponent fails to notify the City of any equipment omissions, Proponent shall assume responsibility for providing the required equipment at no additional cost to the City.
5. Field verify all work site conditions, including dimensions and site lines prior to submitting shop drawings.
6. Coordinate with the City on placement of new equipment
7. Provide an on-site project manager.
8. Deliver all equipment to site and convey to appropriate locations within site as directed by the project.
9. Store all equipment in a safe and secure manner until installed, or otherwise directed by the project.
10. Wholly responsible for any necessary logistic, staging, planning, etc. required to access and execute the work. This includes any demolition, clearing and restoration necessary to access the project or to create staging or storage areas. Proponent shall return all existing conditions and improvements to a condition equal to the condition it was found upon mobilization.
11. Grant the City a license to use all proprietary software provided with this RFP for the life of the system.
12. The frame of the existing center hung will be reused. The Proponent shall be responsible for the provision and installation of any secondary steel, mounting brackets/hardware required. This includes all labor, materials, equipment; tools, transportation, and project management required for a complete and fully operational system(s).

The City will provide the following:

1. Primary electrical power for all displays as currently exists in the center hung. The Proponent shall be responsible for all power and electrical distribution to the new system(s). Proponent shall provide all secondary power connections/terminations required to power new system(s). Proponent responsible for providing stamped electrical drawings by a licensed electrical engineer in the state of California.
2. Signal cable pathways/conduit as currently exist in the venue. All additional conduit and raceways required to complete a path to each display shall be furnished and installed by Proponent. Proponent shall be responsible to furnish, install, and terminate all required cabling needed to make new system(s) complete and fully operational. Existing fiber may be re-used if suitable for new system, however if used, Proponent is to include re-used fiber and terminal gear in the base warranty required with this RFP.

SUBMITTAL REQUIREMENTS

Initial Submittals and Shop Drawings

1. The Contractor shall be required to provide submittals and shop drawings to the City within thirty (30) calendar days of date shown on award notice, acknowledged with a binding letter of intent. Contractor shall be responsible to ensure that the dimensions and specifications of each component and all systems fit within the building allowances. The City must review and approve all submittal documents prior to the start of work. Contractor shall advise the City of any discrepancy that could affect installation. If Contractor fails to notify City of any discrepancies, Contractor shall assume responsibility for providing the required equipment or correcting such discrepancies at no additional cost to the City. The following required submittals will be defined by guidelines established by the City and shall include but not be limited to:
 - a. Submit one electronic set of shop drawings in PDF and .dwg formats, product data and samples together in one package within thirty (30) calendar days of date shown on award notice to Contract and prior to ordering equipment.
 - b. Provide a complete list of proposed equipment with reference to its corresponding specification paragraph number or equipment title in specification paragraph order. Denote all approved substitutions.
 - c. Submit fabrication shop drawings for all displays including component weight and power calculations.
 - d. Submit structural engineered drawings for all secondary steel framing required for this scope of work. Structural engineered drawings shall also include method of attachment for LED displays and all other signage elements required for this scope of work.
 - e. Submit point-to-point wiring diagrams and typed wire lists identifying every connection. Include electronic devices such as switches, transformers, and terminal blocks. Indicate locations of all components. Identify cables by type, color, and wire numbers.
 - f. Submit conduit riser diagrams showing required conduits and junction boxes along with types of quantities of cables to be contained in each conduit. Show details of weatherproofing, lightning protection and grounding, strain relief and cable support, fire stop protection, and wall penetrations through all rated partitions.
 - g. Submit rack layouts indicating the proposed arrangement of mounted equipment including power junction box location. Rack layouts shall include front and rear views.
 - h. Submit detail drawings of all custom fabricated items and approved equipment

modifications. Include complete parts lists, schematic diagrams, and all dimensions required for proper assembly.

- i. LED population layout drawings shall be submitted for each backlit channel letter and/or signage element required under this scope of work. Photos, confirming LED lighting layout, shall be submitted for each backlit channel letter and/or signage element upon completion of fabrication and prior to shipping product to site.
- j. Submittal drawings shall indicate proposed color selections and finishes for all exposed surfaces and custom fabricated items. Submit actual color/finish samples, wall plates, and custom labels.
- k. Submit a list of all lower tier subcontractors and suppliers. List shall include lower tier subcontractor's qualifications indicating performance of similar work on past projects of this type and scope.
- l. Submit a project schedule in Gantt chart format outlining equipment delivery dates and installation start and finish dates. Project schedule shall be broken down into sufficient detail (work task and duration) to permit City to monitor installation progress on a daily basis.
- m. Copies of all required business and contractor licenses.
- n. Approval of submitted items indicates only the acceptance of the manufacturer and quality. Specific requirements, arrangements, and quantities shall comply with the intent of the Contract Documents as interpreted by the City unless specifically approved in writing.
- o. Submittals that are incomplete, deviate significantly from the requirements of the Contract Documents, or contain numerous errors will be returned without review for rework and re-submittal, and may result in back charges to the Contractor.

Contract Closeout Submittal

1. When the installation is substantially complete including the Testing Reports in Part 3 of this Section, Contractor shall submit two (2) complete initial hard copy sets of contract closeout submittals to the City for review. After review and approval of initial set, City shall return one (1) initial hard copy to Contractor with comments for updating. Contractor shall provide four (4) final sets of closeout submittals to City and one (1) electronic copy in PDF format. Closeout submittals shall include, but not be limited to:
 - a. Project Record Drawings (As-Built Drawings) including final screen fabrication drawings, secondary steel structural drawings, electrical drawings, system block diagrams, rack layout drawings, custom fabricated signage drawings (final fabrication version), and LED population and/or fluorescent lighting layout drawings for custom fabricated signage.
 - b. A list of all equipment provided and its location within the facility. List shall include manufacturer name, model identifier, serial number, and any other pertinent information needed to obtain service, maintenance, and/or replacement.
 - c. A list of all Subcontractors who performed work for Contractor during installation. List shall include company name, physical company address, phone number, and contact person(s).
 - d. Documentation certifying old video displays, matrix displays, signage elements and associated support structures that were demolished by Contractor prior to the installation of new equipment has been properly disposed of or recycled in accordance with local, provincial, and/or federal law(s).

- e. Test reports from an independent testing & inspection agency certifying that bolted and/or welded connections for secondary structural steel meet the minimum requirements of the engineered structural drawings, the governing building code, or as required by the building official; whichever is more restrictive.
 - f. All testing reports as specified in Section **Testing and Acceptance on page 21**.
 - g. Test reports for all new fiber optic cable installed under this scope of work. Test reports shall indicate end to end signal loss does not exceed a maximum dB loss per Section **Electrical and Data on page 20, subsections 10 & 11**.
 - h. Operation & Maintenance Manual
2. Upon substantial completion and prior to on-site training with the City, Contractor shall provide four (4) final Operation & Maintenance Manuals (O&M Manuals). O&M Manuals shall have tab dividers and shall be logically organized to provide easy access to information without the need to research through entire manual. All documents provided in the O&M Manual shall be written in English and shall provide sufficient detail as to be understood by an individual with no knowledge of LED displays or the associated control equipment and/or operating systems. Contents of the O&M Manual shall include, but not be limited to:
- a. Table of Contents
 - b. Description / overview of system(s) including key features and operational procedures.
 - c. Full start up procedure for all control room rack equipment and LED display equipment written under the assumption that all equipment was in full powered off mode.
 - d. Full shutdown procedure for all control room rack equipment and LED display equipment written under the assumption that the facility is in an extended power failure situation.
 - e. Procedure for switching to back up LED display processors and back up graphics/animation servers.
 - f. Troubleshooting procedures for all LED displays, LED display processors, graphics/animation servers, scoring systems, and all related equipment provided by Contractor. Troubleshooting procedures shall include demonstration photos and/or diagrams as required.
 - g. Maintenance procedures for all LED displays, LED display processors, graphics/animation servers, scoring systems, and all related equipment provided by Contractor. Maintenance procedures shall include demonstration photos and/or diagrams as required. Contractor shall indicate whether maintenance procedures should be performed monthly, bi-annually, or annually.
 - h. City's Manuals for all third party and/or "off-the-shelf" type equipment provided by Contractor: e.g., KVM's, fiber modems, network switches/routers, and UPS battery backups.
 - i. All third-party equipment and/or "off-the-shelf" equipment warranties and a notarized System Warranty.

EQUIPMENT GENERAL SPECIFICATIONS

1. All equipment and materials, except City furnished, shall be new and the latest version at the time of Proposal and shall conform to applicable UL, ULC, CSA or ANSI provisions. Re-manufactured or "B" stock equipment will not be accepted without prior written consent from the City. Evidence of unauthorized re-manufactured or "B" stock equipment on the project site will be deemed evidence of the contractor's failure to perform the work. Contractor shall take care during installation to prevent scratches, dents, chips or disfiguration of equipment and materials supplied. All damaged equipment and/or materials shall be repaired or replaced at City's discretion. Contractor shall perform either option selected by City at no additional cost to the City.
2. All cabling [power and data] is to be labeled at each end of the cable with a description in English OR with a reference to a wire designation on a wiring diagram. This includes all cables internal to the displays, all cables between displays and control room, and all cables internal to the control room. These diagrams must be part of the Project documentation submitted to the City at time of acceptance.
3. Each device shall meet all of its published manufacturer's specifications. Verify performance as required.
4. Install all rack mounted equipment with Middle Atlantic Products HP Series truss head screws or approved equal.
5. Some rack-mounted equipment may require shaft locks, security covers, or removal of knobs; provide and install during Acceptance Testing.
6. Provide engraved self-adhesive phenolic labels at the front and rear of all rack-mounted signal processing equipment. Mount labels on the equipment chassis and attach in a neat and permanent manner. Embossed label will not be accepted. Label equipment with schematic enumeration reference, and with descriptive information regarding its function or area it is serving. Similarly, provide engraved labels at the rear only of equipment mounted in furniture consoles.
7. All engraving shall be 1/8" block lettering unless noted otherwise. On dark panels or pushbuttons, letters shall be white. Letters shall be black on stainless steel, brushed natural aluminum plates or light-colored pushbuttons.
8. Per IEC-268 standard, all XLR connectors not mounted on equipment shall be wired pin 2 hot (high), pin 3 low, and pin 1 screen (shield).
9. Mounting Hardware exposed to the weather shall be aluminum, brass epoxy painted galvanized steel or stainless steel. Apply corrosion inhibitor to all threaded fittings.
10. All new rack equipment should be installed in the existing space created in the existing equipment racks by the removal of the old processing. If a new rack is required it shall be Middle Atlantic Products model MRK-4436, or approved equal, with accessories as noted below. Quantity of racks shall be as required to house all equipment supplied under this scope of work. Any unused rack mounting spaces shall have blank panels to full enclose the rack assembly. Multiple racks shall be anchored together using appropriate ganging hardware. Standard solid rear door shall be replaced with Middle Atlantic Products model MW-VRD-44 vented rear door.
 - a. Provide two (2) side panels per individual stand-alone rack or series of racks ganged together. The intent is to have an enclosed rack system. A single stand-alone rack would have two (2) side panels and a series of three (3) racks ganged together would also have two (2) side panels. Side panels shall be Middle Atlantic Products model SPN-44-36 or approved equal.

- b. Provide Middle Atlantic Products model MW-4QFT-FC integrated fan top, or approved equal, for each rack. Fan shall be thermostatically controlled to ensure in-rack temperatures of less than 100 degrees Fahrenheit.
 - c. Provide two (2) Middle Atlantic Products model LT-GN-PL gooseneck work light for each rack required for this scope of work.
 - d. Provide Middle Atlantic Products model PDT-2X1020T, or approved equal, in rack vertical power strip. Power strip shall have enough receptacles to accommodate all equipment housed in the associated rack with a minimum of two spare receptacles per rack.
- 11. Any rear mounted rack equipment shall be placed so the equipment does not block access to the back of front mounted equipment.
 - 12. Contractor shall exercise care when wiring racks to avoid damaging cables and equipment. Contractor shall install grommets around cut-outs and knockouts where conduit or chase nipples are not installed.
 - 13. New Equipment Racks shall have a ground buss installed in each rack. Ground buss shall be insulated from the rack. Attach equipment rack to ground buss at one point using #4 insulated copper wire. Ground any equipment chassis without a three-conductor power cord directly to the buss bar using #12 insulated copper wire. Tie each and every power receptacle ground contact to the buss bar using #12 insulated copper wire. Interconnect signal cables shall be routed from junction boxes through metallic flexible conduit(s) (1" to 2" diameter) as appropriate. Flexible conduit shall be insulated from racks by approved insulating bushings.
 - 14. Power wiring and signal/data wiring shall be installed on opposite sides of rack. Contractor may determine which side is using for power and which side for signal. Method shall be kept the same for entire installation if multiple racks are required. Contractor shall exercise care when wiring racks to avoid damaging cables and equipment.

QUALITY ASSURANCE

- 1. All requirements of the latest published editions of the following standards shall apply, unless otherwise noted. In the event of conflict between cited or referenced standards, the more stringent shall govern.
 - a. National Electric Code (NEC).
 - b. National Electrical Manufacturers Association (NEMA)
 - c. American National Safety Institute (ANSI)
 - d. Occupational Safety and Health Administration (OSHA)
 - e. American Iron and Steel Institute (AISI)
 - f. Underwriters Laboratories (UL)
 - g. Federal Communications Commission (F.C.C.) Rules and Regulations, Part 76.
 - h. Society of Cable Television Engineers (S.C.T.E.)
 - i. Society of Motion Picture and Television Engineers (S.M.P.T.E.)
 - j. American Society of Testing Materials (A.S.T.M.)
 - k. National Cable Television Association (N.C.T.A)
 - l. Electronic Industries Association (E.I.A.)

- m. Telecommunications Industries Association (T.I.A.)
 - n. California Building Code – Most Current Revision
2. Review all architectural, civil, structural, mechanical, electrical, and other project documents relative to this work.
 3. Verify all dimensions and site conditions prior to starting work.
 4. Coordinate the specified work with all other trades.
 5. Maintain a site/project manager and supporting technical personnel, acceptable to the City during the entire installation. Voluntary change of supervisor during the project shall not be permitted without prior written approval from the City.
 6. Provide all items not indicated on the drawings or mentioned in the specifications that are necessary, required, or appropriate for this work to realize a complete and fully operational system that performs in stable and safe manner.
 7. Review project documentation and continuously make known any conflicts discovered and provide all items necessary to complete this work to the satisfaction of the City without additional expense. In all cases where a device or item or equipment is referred to in singular number or without quantity, each such reference shall apply to as many such devices or items as are required to complete the work.
 8. Provide additional support or positioning members as required for the proper installation and operation of equipment, materials and devices provided as part of this work as approved by the City, without additional cost to the City.
 9. Contractor shall perform regularly scheduled examinations all construction, and the work of others, which may affect Contractor's work to ensure proper conditions exist at site for the equipment and devices before their manufacture, fabrication, or installation. Contractor shall be responsible for the proper fitting of the systems, equipment, materials, and devices provided as part of this work.
 10. Promptly notify the City in writing of any difficulties that may prevent proper coordination or timely completion of this work. Failure to do so shall constitute acceptance of construction as suitable in all ways to receive this work, except for defects that may develop in the work of others after its execution.
 11. After installation, submit photographs showing cable entries and terminations within equipment racks, enclosures, and pedestals at the job site.

WARRANTY AND SERVICE

1. Contractor shall warrant labor and materials for twenty-four (24) months following the date of Final Acceptance. Contractor shall provide extended warranty pricing for parts and labor and just parts on the providing pricing form.
2. During the warranty period the system shall be free of defects and deficiencies and conform to the drawings and specifications with respect to the quality, function, and characteristics stated.
3. Contractor shall repair or replace defects that occur in labor or materials within the warranty period. If repair is affected using City's spare parts allotment, Contractor shall replenish all parts used to maintain City's inventory at the required amount of the specified parts listed on the pricing form by contract.
4. On-site labor shall be included during the warranty period for any work beyond simple component replacement. Simple component replacement shall be defined as lighting unit

or power supply replacement or the replacement of an internal display signal cable that does not require tools to perform the cable replacement.

5. Failed parts shall be returned to the Contractor for repair at a service facility located in the United States. Contractor shall identify the location of its service facility in the documentation provided when submitting a Proposal for this work.
6. The Contractor shall replace failed parts that cannot be repaired.
7. Upon receipt of a failed part, Contractor shall return a repaired or replacement part to the City within fifteen (15) business days from receipt of failed part.
8. Contractor shall supply at least one (1) local service employee or local authorized service agent for servicing and repair of all equipment during the warranty period. Local service employee or local authorized service agent shall be located within 50 miles of City's facility.
9. The local service employee or local authorized service agent shall be the entity responsible for providing the following emergency response availability:
 - a. Telephone service assistance and technical support from 8am to 11pm local time at City's facility, 7-days per week.
 - b. Answer all service calls and requests for information within one (1) hour during the warranty period and provide on-site repair service within 24 hours.
 - c. A parts exchange program, including same day shipment of exchange parts. The manufacturer shall keep a ready stock of key assemblies available to ship out upon notice of a parts failure if part is not available in spare parts inventory at City's facility.
 - d. Advance replacements should contain all the shipping information and packaging necessary to return the defective part or assembly back to Contractor at no cost to the City.
10. Warranty shall cover all equipment, including processors, controllers, operating systems, and software.
11. Warranty shall include two (2) annual on-site system check-ups by a qualified technician who is a full-time employee of the Contractor. Visit to occur approximately 2-3 weeks prior to the start of the second and third seasons or as determined by City. Contractor shall provide cost for annual future visits on the pricing form provided.
12. System check-up shall include all regular maintenance; including filter changes, a complete inspection of all systems, brightness level readings of LED displays, parts replacement where required and a complete written report of all findings.
13. All extended warranty pricing requested in this RFP shall include the same requirements as stated in this section unless specifically excluded on the Proposal form
14. In addition to the base warranty, Contractor shall provide a guarantee against systemic parts failures for a period of seven (7) years from final acceptance. A systemic parts failure is defined as a failure of more than 5% of a particular part or component in a display, over a 12-month period. If it is determined that a systemic parts failure has occurred, Contractor shall be responsible for all costs to remedy the problem to the satisfaction of the City. Satisfaction of the City is met when City has determined in writing that the problem has been satisfactorily remedied by the Contractor.
15. Furthermore, if a particular system problem that resolves without a repair, presents itself in more than two (2) consecutive events, Contractor shall be responsible for providing on-site event support as well as system diagnosis, until the problem is identified and resolved. Some examples of this would be a signal flash, flickering, module(s) outage.

SPARE PARTS

1. Contractor shall supply a spare parts inventory containing 2% spare lighting units, 2% spare power supplies, and a minimum of two (2) of every other critical component including fiber modems. Spare parts inventory shall be based on quantity of components used to manufacture the display(s). Contractor shall provide proposed spare parts inventory as part of the Proposal submission.
2. At the time of final sign-off, Contractor shall supply the specified spare parts inventory regardless of spare parts used during initial period and/or testing of newly installed displays.
3. Manufacturer of the LED system components shall continue to make all parts necessary for the continued functioning of the system for a minimum of seven (7) years after acceptance of this project. Furthermore, upon end of life of any component used in the LED displays, that is not replaced by a “backwards compatible” component, Manufacturer shall notify City of end-of-life status being given to components of this system six (6) months prior to end of manufacturers support and shall give City an opportunity to buy spare parts from stock or a last production run, at then commercially viable prices.

END OF PART 1 GENERAL:

PACKAGE I STK22-1845 LED VIDEO DISPLAY UPGRADES

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PACKAGE I STK22-1845 LED VIDEO DISPLAY UPGRADES

PART 2 PRODUCTS

CENTER HUNG LED VIDEO DISPLAY

1. Quantity: Four (4) Indoor HDR Video Displays.
2. Pixel Resolution: 6mm physical pixel resolution.
3. LED Supplier: Only Nichia, Cree, Multicolor and Nation Star FM Black package LED's will be accepted. **Gold wire bonds required.**
4. Minimum Active Area of Displays: 13' tall by 28.4' wide.
5. Minimum Resolution: 644 x 1456 based on maximum pixel pitch of 6mm
6. Minimum Brightness: 1200 nits (100% white with automatic color-correction "on") at startup.
7. System must maintain a minimum brightness level of 1000 nits throughout the first 10,000 hours of use or 36 months from the time of acceptance, whichever is longer.
8. Display's intensity shall be adjustable to a minimum of 256 levels.
9. Minimum 4,096 levels of intensity for each color (red, blue, pure green) 14-bit processing.
10. 4,500°-9,000° Kelvin color temperature. Color temperature shall remain constant across specified horizontal and vertical viewing angles.
11. Refresh rate shall be greater than 3,840+Hz.
12. Video frame rate at or greater than 60 frames per second.
13. Contrast ratio shall be greater than 2000:1.
14. Service accessibility for all components of the displays shall be from the front and rear.
15. Pixel to Pixel Variation
 - a. 95% or more of pixels within each module must have a luminance within +/- 4% of the mean luminance for the module.
 - b. The average luminance of a column or row of pixels at the edge of a module or panel must be within +/- 2% of the average luminance of the module or panel.
 - c. 95% or more of the pixels within each module must have a chromaticity value, $\Delta u'v'$, within +/- 0.006 of the mean chromaticity value for the module.
16. Module to Module Variation
 - a. 100% of the modules in a screen must have a luminance within +/- 4% of the mean luminance for the screen.
 - b. 100% of the adjacent modules (i.e., modules sharing a border) in a screen must have a luminance within +/- 3% of each other.
 - c. 100% of the modules in a screen must have a chromaticity value, $\Delta u'v'$, within +/- 0.006 of the mean chromaticity value for the screen.
 - d. 100% of the adjacent modules in a screen must have a chromaticity value, $\Delta u'v'$, within +/- 0.003 of each other.
17. All uniformity specifications above apply across all specified minimum horizontal and vertical viewing angles and are to be met for an all-White, all-Red, all-Green, and all-Blue screen display.

18. All listed specifications must be maintained throughout the first 10,000 hours of use or 36 months from the time of acceptance, whichever is longer.
19. Minimum of a 140° ($\pm 70^\circ$) horizontal viewing angle. Defined at 50% of full intensity, with automatic color-correction "on", at stated angle maximum.
20. Minimum of a 140° ($\pm 70^\circ$) vertical viewing angle. Defined at 50% of full intensity, with automatic color-correction "on", at stated angle maximum.

LED RIBBON BOARDS

1. Quantity: Two (2) Indoor HDR Video Displays.
2. Pixel Resolution: 10mm physical pixel resolution.
3. LED Supplier: Only Nichia, Cree, Multicolor and Nation Star FM Black package LED's will be accepted. Gold wire bonds required.
4. Minimum Active Area of Displays: 2.5' tall by 105' wide
5. Minimum Resolution: 80 x 3216 based on maximum pixel pitch of 10mm.
6. Minimum Brightness: 1200 nits (100% white with automatic color-correction "on") at startup.
7. System must maintain a minimum brightness level of 1000 nits throughout the first 10,000 hours of use or 36 months from the time of acceptance, whichever is longer.
8. Display's intensity shall be adjustable to a minimum of 256 levels.
9. Minimum 4,096 levels of intensity for each color (red, blue, pure green) 14-bit processing.
10. 4,500°-9,000° Kelvin color temperature. Color temperature shall remain constant across specified horizontal and vertical viewing angles.
11. Refresh rate shall be greater than 3840+Hz.
12. Video frame rate at or greater than 60 frames per second.
13. Contrast ratio shall be greater than 2000:1.
14. Service accessibility for all components of the displays shall be from the top and front.
15. Pixel to Pixel Variation
 - a. 95% or more of pixels within each module must have a luminance within +/- 4% of the mean luminance for the module.
 - b. The average luminance of a column or row of pixels at the edge of a module or panel must be within +/- 2% of the average luminance of the module or panel.
 - c. 95% or more of the pixels within each module must have a chromaticity value, $\Delta u'v'$, within +/- 0.006 of the mean chromaticity value for the module.
16. Module to Module Variation
 - a. 100% of the modules in a screen must have a luminance within +/- 4% of the mean luminance for the screen.
 - b. 100% of the adjacent modules (i.e., modules sharing a border) in a screen must have a luminance within +/- 3% of each other.
 - c. 100% of the modules in a screen must have a chromaticity value, $\Delta u'v'$, within +/- 0.006 of the mean chromaticity value for the screen.
 - d. 100% of the adjacent modules in a screen must have a chromaticity value, $\Delta u'v'$, within +/- 0.003 of each other.

17. All uniformity specifications above apply across all specified minimum horizontal and vertical viewing angles and are to be met for an all-White, all-Red, all-Green, and all-Blue screen display.
18. All listed specifications must be maintained throughout the first 10,000 hours of use or 36 months from the time of acceptance, whichever is longer.
19. Minimum of a 140° ($\pm 70^\circ$) horizontal viewing angle. Defined at 50% of full intensity, with automatic color-correction “on”, at stated angle maximum.
20. Minimum of a 140° ($\pm 70^\circ$) vertical viewing angle. Defined at 50% of full intensity, with automatic color- correction “on”, at stated angle maximum.

SIGNAGE AND AESTHETICS ELEMENTS

1. Provide and install four (4) static sponsor/venue ID signs on the bottom of center hung as depicted and specified in the rendering package.
2. Provide and install one (1) Tension Fabric underbelly signage as depicted and specified in the rendering package.
3. Provide and install all trim and aesthetics on center hung as depicted and specified in the rendering package.

SCORING SYSTEM – PROVIDE AND INSTALL THE FOLLOWING

1. Six (6) locker room clocks – minimum 4” tall red or white fixed LED digits with a maximum overall cabinet size of 1'-8” wide by 9” tall by 4” deep.
2. Two (2) horns installed inside the Center Hung display.
3. Three (3) hockey goal lights with brackets – (2 installed and 1 backup).
4. Three (3) Scoreboard Controllers – (2 primary and 1 backup).

END OF PART 2 PRODUCTS

PACKAGE I STK22-1845 LED VIDEO DISPLAY UPGRADES

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PACKAGE I STK22-1845 LED VIDEO DISPLAY UPGRADES

PART 3 EXECUTION

CENTER HUNG – OPERATING SYSTEM

1. Provide a fully functional operating system capable of CG, exposure time tracking, and game operation. Systems must be capable of playing back industry standard still and animation file formats. File conversion is acceptable.
2. The system must have the ability to support DVE moves, enabling dynamic switching between full screen and vectored views with areas for sponsor ads, statistics, and game in progress data for the scoring system.
3. The system must be capable of accepting a serial feed from the scoring controller and any and all 3rd party stats, sport ticker feeds, social media feeds and closed captioning as required.
4. Image playback is to be stutter-free for both static and animated graphics.
5. The operating system must be capable of controlling all existing displays in the venue that are not being replaced in this RFP. ~~They include the follow:~~
6. Contractor is responsible for providing all required components, racks and wiring necessary to manage and control the LED display from a location outside of the display housing.
7. System architecture must allow for 100% processing and control redundancy. Back up units shall be installed in the equipment racks and shall be hot swappable.

LED RIBBON BOARDS – PROCESSING AND CONTROLS

1. Display control system must provide the ability to manage: brightness (multi-level), video input, image position: size and scale, adjustable gamma correction, remote power function (power on/off), color, color temperature, contrast and sharpness.
2. Processing to allow for electronic color and brightness calibration - block to block and pixel to pixel.
3. The processor shall support the following inputs: 1080P-HDR, HD-SDI video in either 720p or 1080i, SD-SDI (480p) and SDI 16x9 anamorphic signal, and DVI video.
4. Contractor is responsible for providing all required components and wiring necessary to manage and control the video display from a location outside of the display housing.
5. System architecture must allow for 100% processing and control redundancy. Back up units shall be installed in the equipment racks and shall be hot swappable.
6. Minimum of a 140° ($\pm 70^\circ$) vertical viewing angle. Defined at 50% of full intensity, with automatic color- correction “on”, at stated angle maximum.

ENGINEERING

1. The Contractor shall submit drawings and calculations stamped by a licensed engineer in the state of California for the attachment points for any secondary steel and displays not shown on the Project Drawings.
2. Contractor is responsible for taking all seismic and environmental considerations into account and making structural provisions for any such requirements.
3. City must approve all drawings in writing prior to the fabrication and installation of any equipment.
4. Engineered drawings are to include electrical.

STRUCTURAL CONSIDERATIONS

1. Contractor is responsible to design, engineer, build, deliver, install, integrate, and commission complete turnkey displays as specified with all required structure needed to support all display components.
2. Flashing and any other related equipment shall be the responsibility of the Contractor to furnish and install.
3. Contractor is responsible for erection of all materials related to the new equipment.
4. Any required sub-structure is to be fabricated using structural steel and/or aluminum (optional). Contractor shall provide necessary protective separation when connecting dissimilar metals to prevent galvanic corrosion.
5. Bolted and/or field welded connections shall be subject to special inspection by an independent testing & inspection agency certifying that bolted and/or welded connections meet the minimum requirements of the engineered structural drawings, the governing building code, or as required by the building official; whichever is more restrictive. Inspections shall take place prior to painting any connection.
6. Documentation shall be provided to City verifying acceptable results from all special inspections. All items failing inspection shall be repaired or replaced and re-inspected at no additional cost to the City.
7. All components to be painted and otherwise finished for exterior service conditions shall be warranted to be free of rust or other defects for a period of ten years.
8. All welders must be certified, and certificates must be on-site and available for inspection as requested.
9. To minimize fading or oxidation, all primary structural elements must be primed and coated or galvanized.
10. Damage to paint to the structure(s) during the installation of secondary structure, video board and signage install shall be touched up by Contractor

ELECTRICAL AND DATA

1. The electrical design and installation of all branch circuits by the Contractor shall comply with NEC, provincial and local codes, as well as City regulations and guidelines.
2. Contractor shall be responsible for tying into existing remote power switches, so all new displays are controllable from the rack mounted switches.
3. The Contractor shall provide electrical and data one-line diagrams.
4. Electrical design and engineering must be reviewed and approved by the City prior to any electrical work by the Contractor.
5. The Contractor shall be responsible for termination and final connect of power to all displays. All secondary electrical panels must be clearly marked with names of the branch circuits controlled by each breaker to aid in troubleshooting or isolating problems. All electrical services, disconnects, and breaker panels are to be labeled with what they control and where they are fed from.
6. Contractor shall not use wire nuts or electrical tape for any power or signal connection or any part of the work including internal LED display power jumpers or power connections to signage elements. All connections shall use a proper terminal block and spade terminal, or terminal block and direct connection as required. Covers shall be provided over-all high-power terminal blocks to prevent electrical shock.

7. The use of SO cord or rubber jacket type power cables typically used on transportable installations or used on the installation of pitch side displays shall not be permitted for permanent installations. Strain relief on all connectors shall be per manufacturers recommendations. Contractor shall submit manufacturers strain relief recommendations for all connectors during the submittal process.
8. The Contractor shall be responsible for providing stamped electrical drawings. A licensed/registered engineer in the state of California where this project is located shall stamp all electrical drawings.
9. Any equipment not certified as required in Section **Equipment General Specifications on page 9, subsection 1** shall require on-site certification by a listed testing agency. All cost associated with obtaining on-site certification shall be the responsibility of the Contractor. Written proof of certification or equivalent will be required prior to any work being performed on-site.
10. Multi-mode fiber tested shall not have a signal dB loss greater than 0.1dB per 100 feet (30m) for 850nm fiber or a loss greater than 0.1 dB per 300 feet (100m) for 1300nm fiber.
11. Single-mode fiber tested shall not have a signal dB loss greater than 0.1dB per 600 feet (200m) for 1310nm fiber or a loss greater than 0.1 dB per 750 feet (250m) for 1550nm fiber.
12. Contractor is to provide all required fiber transmitters and receivers (including amplifiers where required). Contractor shall be responsible to terminate and perform final connection of all cables. Cables will be routed from the specified control locations to the display components per Contractor's diagram once the City has approved diagram.

AESTHETIC CONSIDERATIONS

1. At the time of the release of this RFP the City is still developing certain finishes and aesthetic design elements for consideration. Contractor shall assume premium finishes on all elements not yet defined.
2. Prior to contract award, the Contractor must provide a comprehensive outline of all intended flashing and finish details for City approval. Failure to submit these details prior to contract award shall make Contractor responsible for all flashing and finishes as required by City at no additional cost to City.
3. No exposed bolts, inverted U channels, or unfinished edges on LED displays or signage elements shall be permitted on any surface with public view. Any part of the secondary steel frame exposed to public view shall be covered with flashing to match the edge of the LED display.
4. Unless specified differently on the AJP Drawings, the following shall serve as a minimum standard for products and finishes. Contractor shall be responsible to ensure that the material thickness provided is sufficient to prevent warping or "oil canning" on the span or sections of material installed.
 - a. Metals
 - + .040" aluminum on internal baffling
 - + .090" aluminum on flashing
 - + .125" aluminum on any routed or primary surface
 - + 12ga/2.6mm stainless steel (visible)

- b. Plastics
 - + .117" thickness on thermoformed polycarbonates
 - + .177" thickness on flat polycarbonates
 - + .125" thickness on flat acrylics
 - c. Finishes
 - + Approved Automotive Grade Enamels
 - + ASTM D3451-06 compliant Powder Coating
 - d. Vinyl Films
 - + 3M, Avery, Oracal or other as approved.
 - + 9oz weight for any outdoor banner (UV coated)
5. The Contractor shall not visibly display its trademarks or insignia on any of the Equipment or structural elements.

TRAINING

1. The Contractor at its own expense shall provide designated City employees' operator and maintenance training.
2. Training will be performed at the site by a qualified technician and shall occur either during installation of the equipment or immediately thereafter. O&M Manuals per Section **Contract Closeout Submittal on page 8, subsection 1.h** shall be provided to City prior to training.
3. The training shall cover the operation, routine maintenance and troubleshooting of the displays and control equipment.
4. Training shall consist of at least 24 hours (over the course of 3-5 days) of instruction.
5. Contractor shall be required to have an LED technician on-site for the first event and continue to be on-site for three (3) consecutive problem free events. "Problem-free" constitutes an event where the video and scoring displays, control system, and any other components installed by the Contractor are without failure during an event. Each successful event will need to be signed off by the City until three (3) consecutive events are achieved.
6. Warranty period will commence at conclusion of the third consecutive **problem free** event.

TESTING AND ACCEPTANCE

1. Contractor shall demonstrate the full capabilities of the provided systems and prove performance meets contractual specifications.
2. Confirmation shall be required of, but not limited to the following functions: operation of each system component, including back-up systems, control functionality, integration with existing systems, diagnostic capabilities, screen brightness, color temperature and viewing angles.
3. Contractor shall provide all necessary testing equipment for acceptance.
4. Upon notice from the Contractor of substantial completion and at a time to be mutually agreed upon, the Contractor shall arrange for the testing of all operations of the systems comprised in scope of work at the time of substantial completion.

5. The following items must be completed and approved by a City designated expert prior to the City deeming the system "Accepted":
 - a. LED Screens - Brightness and color uniformity shall be demonstrated and must meet the specification described. If the demonstration exhibits the display in noncompliance with the specifications, it will be the responsibility of the Contractor to make the necessary adjustments or to adjust, repair or replace the components necessary to meet the specifications. The City will not be responsible for any added costs as a result of an unsuccessful acceptance test.
 - b. Certain LED video displays included in this RFP are required to maintain minimum parameters over a specified period of time. The City at its sole discretion may engage an independent testing agency to verify the display's specifications, at any time during the specified period of time. Cost for this testing will borne by the City if display is complying. If the testing exhibits the display in noncompliance with the specifications, the cost of the testing will be the responsibility of the Contractor. Contractor shall also be responsible to make the necessary adjustments or repair or replace the components necessary to meet the specifications. The City will not be responsible for any added costs as a result of an unsuccessful test.
 - c. Functionality of each of the displays and their control systems, as specified, shall be demonstrated in its entirety.
 - d. Acceptance of the system includes, but not limited to, the completed installation of all physical components and the issuance of the Certificate of Approval for code compliance by the Code Authority having Jurisdiction. Tests of the system shall not occur until after the system has been installed, and all work completed on the display systems.
6. Document all acceptance testing, calibration and correction procedures described herein. Include the following information:
 - a. Performance date of the given procedure.
 - b. Condition of performance of procedure.
 - c. Type of procedure, and description.
 - d. Parameters measured and their values, including values measured prior to calibration or correction, as applicable.
 - e. The names of personnel conducting the procedure.
 - f. The equipment used to conduct the procedure.
7. Upon completion of initial tests and adjustments, submit written report of tests to the City along with all documents, diagrams, and recorded drawings required herein.

END OF PART 3 EXECUTION

PACKAGE I STK22-1845 LED VIDEO DISPLAY UPGRADES

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PACKAGE II: STK22-1846 BROADCAST, BROADCAST CABLE & ENTERTAINMENT LIGHTING UPGRADES

PART 1 GENERAL

PROJECT SPECIFICATIONS AND DESCRIPTION

1. Contractor is responsible for providing all audio equipment as described and listed in the project RFP document. All additional equipment needed to provide a complete turn-key system shall be listed by the Contractor in the "Additional Items Required" section of the RFP Form document.
2. Contractor is responsible for supplying complete and fully operational system(s) as intended by the RFP documents and any subsequent addenda. Prior to executing a contract for the project, Contractor is responsible for notifying City of any equipment omissions in the RFP documents that may prevent the completion of fully operational system(s). If the Contractor fails to notify City of any equipment omissions, Contractor shall assume responsibility for providing the required equipment at no additional cost to City.
3. Contractor shall field verify all work-site conditions prior to submitting shop drawings.
4. All equipment (except City Furnished (OFE)) and materials shall be new (latest version at time of RFP) and shall conform to applicable UL, EIA, TIA, or ANSI guidelines. Remanufactured or "B" stock equipment will not be accepted without prior written consent from the City. Evidence of unauthorized remanufactured or "B" stock equipment on the project site will be deemed evidence of the Contractor's Failure to Perform the Work.
5. Contractor shall take care during installation to prevent scratches, dents, chips, or disfiguration.
6. Alternative solutions will be evaluated and must be submitted on a separate Proposal Pricing Form marked as "Voluntary Alternate". Alternates must include device data sheets and a narrative description of the alternate solution.
7. Contractor shall provide and install specified signal transmission equipment.
8. Contractor shall provide and install "Head End" equipment listed in the RFP and Technical Specifications.
9. Contractor shall provide single-line schematic drawings of all systems being provided and installed. Include existing systems in the updated drawings where new system device(s) may interface. Provide floor plans and elevations as required, including 3D or isometric views showing this work.
10. Contractor is responsible for the provision and installation of all secondary structural steel (i.e., conduit and raceway supports, hardware mounting systems, etc.), as well as mounting brackets and hardware required to accommodate the new system(s). This includes all labor, materials, equipment, tools, transportation, and project management required to complete fully operational system(s) for the project.
11. Contractor is responsible for assembly, secondary modifications (if necessary) and mounting of all system(s) components to new and/or existing structures.
12. City will provide Primary Power at defined demarcation points as shown in the project drawings.

13. Contractor is responsible for all power and electrical distribution from demarcation points (Secondary Power) to new system(s).
14. Contractor shall provide all Secondary Power connections/terminations required to power new system(s).
15. Contractor is responsible to furnish, install, and terminate all required cabling needed to make new and related existing system(s) complete and fully operational.
16. Contractor shall grant City a license to use all proprietary software provided with this RFP for the life of the system(s).
17. Manufacturer(s) of broadcast components shall continue to make all parts necessary for continued full function of the system for a minimum of ten (10) years after acceptance of this project. Furthermore, upon "end-of-life" of any component used in the broadcast system, that is not replaced by a "backwards compatible" component, Manufacturer shall notify City of "end-of-life" status assigned to components of this system and shall give City an opportunity to buy spare parts from stock or final production run, at then commercially viable prices.

SUBMITTAL REQUIREMENTS

1. Proponent is required to provide electronic submittals to the City within twenty (20) business days of date shown on award notice, acknowledged with a binding letter of intent.
2. The following required submittals will be defined by guidelines established by the City and shall include, but not be limited to:
 - a. One (1) set of electronic shop drawings, product data, and samples in PDF format, compiled in one file within twenty (20) calendar days of date shown on the Contract Award Notice, and prior to ordering equipment.
 - b. Catalog data sheet pdf files, bound into a single file with title page, space for submittal stamps, and divider pages between sections.
 - c. A complete list of proposed equipment with reference to its corresponding specification paragraph number, or equipment title in specification paragraph order. Denote all approved substitutions.
 - d. Point-to-point wiring diagrams and an associated table of wire lists identifying every connection. Include all terminated system devices and ancillary components.
 - i. Indicate locations of all components.
 - ii. Identify cables by types and wire numbers.
 - iii. Provide complete, detailed wiring diagrams for systems based on the contract documents. Include cable types, identification numbers, detailed connections, connector types, and cable lengths.
 - iv. Drawings shall comply with ANSI and International Electro Technical Commission recommendations and standards as appropriate.
 - o Provide drawing set cover sheet clearly dimensioning all cable details for each cable type and connector utilized in the system. As a part of this closeout submittals, built drawings will need to be submitted in .DWG format along with a combined PDF.

- v. Conduit riser diagrams showing required conduits and junction boxes along with types and quantities of cables contained in each conduit. Show details of weatherproofing, lightning protection and grounding, strain relief and cable support, fire stop protection, and wall penetrations.
 - vi. Rack elevations indicating the proposed arrangement of mounted equipment. BTU load, weight, electrical power load and circuit information for each piece of equipment shall also be included in the rack elevation drawing.
 - vii. Detail drawings of all custom fabricated items and approved equipment modifications. Include complete parts lists, schematic diagrams, and all dimensions required for proper assembly.
 - viii. Drawings shall indicate proposed color selections and finishes for all exposed surfaces and custom fabricated items. Submit actual color/finish samples, wall plates, and custom labels upon request.
 - ix. A project schedule in Gantt chart format outlining equipment delivery dates and installation start and finish dates. Project schedule shall be broken down into sufficient detail (work task and duration) to permit City the ability to monitor installation progress daily.
- e. A list of all lower tier subcontractors and suppliers. List must include lower tier subcontractor's qualifications indicating performance of work similar to past projects of this type and scope.
 - f. Copies of all required business and Contractor licenses.
 - g. Approval of submitted items indicates only the acceptance of the manufacturer and quality. Specific requirements, arrangements, and quantities must comply with the intent of the Contract Documents as interpreted by the City unless specifically approved in writing.
 - h. Submittals that are incomplete, deviate significantly from the requirements of the Contract Documents, or contain numerous errors will be returned without review for rework and re-submittal, and may result in back charges to the Contractor.
 - i. Contractor shall advise the City of any discrepancy that may affect the installation. If Contractor fails to notify City of any discrepancies, Contractor assumes responsibility for providing the required equipment and labor to correct such discrepancies at no additional cost to City.

CONTRACT CLOSEOUT SUBMITTALS

When the installation is substantially complete, including the Testing Reports in Part 3.11 of this document, Contractor must submit to the City an electronic file (pdf format) of contract closeout submittals for review. After review and approval of the closeout document set, City will return to Contractor the file with comments for updating. Contractor shall return a final updated set of closeout submittals to City (electronic copy) in PDF format, and one (1) electronic copy of As-Built files in .dwg format (or current format approved by City) as related to discipline. Closeout submittals will include, but not be limited to:

- a. Project Record Drawings (As-Built Drawings) including wiring schedules, final device locations in plan-view, final device locations in reflected ceiling plan-view, final device locations in section and elevation view, secondary steel structural drawings (plans and elevations), custom plate and panes details, system schematic diagrams, electrical power schematic drawings, and rack elevation detail drawings. These shall be submitted in both .DWG files as well as PDF file set.

- b. Project Record Drawings (As-Built Drawings) including wiring schedules, final device locations in plan-view, final device locations in reflected ceiling plan-view, final device locations in section and elevation view, secondary steel structural drawings (plans and elevations), custom plate and panes details, system schematic diagrams, electrical power schematic drawings, and rack elevation detail drawings. These shall be submitted in both .DWG files as well as PDF file set.
 - c. Operation & Maintenance Manual.
 - d. A list of all equipment provided and its location within the facility. List must include manufacturer name, model identifier, serial number, and any other pertinent information needed to obtain service, maintenance, and/or replacement.
 - e. A list of all Subcontractors who performed work for Contractor during installation. List must include company name, physical company address, phone number, and contact person(s).
 - f. Copies of all software, settings, and programs used in the control and operation of this system.
 - g. Copies of all equipment registration documentation.
 - h. Test reports for all new copper and fiber optic cable installed under this scope of work. Test reports must indicate that end-to-end signal loss does not exceed applicable industry standards.
2. Operation & Maintenance (O&M) Manual
- a. Upon substantial completion but prior to onsite training with the City, Contractor shall provide one searchable electronic PDF copy. O&M Manuals must be logically organized to provide easy access to information without the need to research through the entire manual. All documents provided in the O&M Manual will be written in English and provide sufficient detail for an individual with knowledge of the provided systems. Contents of the O&M Manual will include, but not be limited to:
 - i. Table of Contents.
 - ii. Description / overview of system(s) including key features and operational procedures.
 - iii. Full start up procedure for all systems equipment and any additional networking components written under the assumption that all equipment was in full powered-off mode.
 - iv. Full shutdown procedure for all systems equipment written under the assumption that the facility is in an extended power failure situation.
 - v. City's Manuals for all third party and "off the shelf" type equipment provided by Contractor, e.g., KVM's, media converters, network switches/routers, and UPS battery backups.
 - vi. Small scale plans showing locations and circuit numbers for all system outlets and receptacles.
 - vii. Single-line block diagrams showing all major components of the systems.
 - viii. All third-party equipment and "off the shelf" equipment warranties and a notarized System Warranty.

EQUIPMENT GENERAL SPECIFICATIONS

1. All equipment and materials, except City furnished, will be new and the latest version at the time of RFP and must conform to applicable UL, ULC, CSA or ANSI provisions. Re-manufactured or "B" stock equipment will not be accepted without prior written consent from the City. Evidence of unauthorized re-manufactured or "B" stock equipment on the project site will be deemed evidence of the Contractor's failure to perform the work. Contractor must take care during installation to prevent scratches, dents, chips or disfiguration of equipment and materials supplied. All damaged equipment and/or materials will be repaired or replaced at City's discretion. Contractor shall perform either option selected by City at no additional cost to the City.
 - a. All cabling [power and data] must be labeled at each end of the cable with a description in English and a reference to a wire designation on a wiring diagram. These diagrams must be part of the Project documentation submitted to the City at time of acceptance.
 - b. Each device will meet all published manufacturer's specifications. Verify performance as required.
 - c. Provide an uninterruptable power supply (UPS) at the bottom of each specified equipment rack as noted herein. The UPS will be connected to all specified processor driven equipment including but not limited to DSP, fiber optic, and network devices. UPS will have the capability of providing power to all equipment within the rack for a period of 20 minutes in the event of a power failure at the facility.
 - d. Install all rack-mounted equipment with Middle Atlantic Products HP Series truss head screws or approved equal.
 - e. Some rack-mounted equipment may require shaft locks, security covers, or removal of knobs. Provide and install during acceptance testing.
 - f. Enclosures exposed to the outdoors, must be NEMA 4X rated or approved equal. Provide adequate environmental conditioning and control to ensure long-term equipment survivability.
 - g. Provide labeling at the front and rear of all rack-mounted broadcast signal equipment. Mount labels on the equipment chassis and attach in a neat and permanent manner. Label equipment with schematic enumeration reference, and with descriptive information regarding its function or area it is serving. Similarly, provide self-adhesive labels at the rear only of equipment mounted in furniture consoles.
 - h. All labeling will be 1/8" block lettering unless noted otherwise. On dark panels or pushbuttons, letters will be white. Letters will be black on stainless steel, brushed natural aluminum plates or light-colored surfaces.
 - i. Mounting hardware exposed to the weather will be aluminum, brass epoxy painted galvanized steel or stainless steel. Apply corrosion inhibitor to all threaded fittings where applicable.
 - j. Unless directed otherwise, equipment racks will be Middle Atlantic Products model WRK-44-36, or approved equal, with accessories as noted below. Quantity of racks will be as required to house all equipment supplied under this scope of work. Any unused rack mounting spaces will have color matching blank panels to fully enclose the rack assembly. Multiple racks will be anchored together using appropriate

ganging hardware. Standard solid rear doors will be replaced with vented rear doors unless noted otherwise.

- i. Provide two (2) side panels per individual stand-alone rack or series of racks ganged together. The intent is to have an enclosed rack system. A single stand-alone rack will have two (2) side panels and a series of three (3) racks ganged together will also have two (2) side panels. Side panels will be Middle Atlantic Products model SPN-44-36 or approved equal.
 - ii. Provide Middle Atlantic Products model MW-4QFT-FC integrated fan top, or approved equal, for each rack. Fan must be thermostatically controlled to ensure in-rack temperatures of less than 68 degrees Fahrenheit.
 - iii. Provide Middle Atlantic Products in-rack vertical power strip or approved equal. Power strip will have enough receptacles to accommodate all equipment housed in the associated rack with a minimum of two spare receptacles per rack.
 - iv. Provide Middle Atlantic Products model PDLT-815RV-RN horizontal rack-mount power/lighting, 8 Outlet, 15A, surge protection accessory power strip or approved equal acceptable for these items.
 - v. Any rear-mounted rack equipment will be placed so the equipment does not block access to the back of front-mounted equipment.
 - vi. Contractor shall exercise care when wiring racks to avoid damaging cables and equipment. Contractor shall install grommets around cut-outs and knockouts where conduit or chase nipples are not installed.
 - vii. Power wiring and signal/data wiring will be installed on opposite sides of rack. Contractor may determine which side is used for power and which side for signal. Method will be kept the same for the entire installation if multiple racks are required. Contractor shall exercise care when wiring racks to avoid damaging cables and equipment.
 - viii. Per IEC-268 standard, all XLR connectors not mounted on equipment will be wired pin 2 +, pin 3 -, and pin 1 shield.
 - ix. Equipment installed in exterior locations will be IP67 rated and operating temperature range 0 degrees F to 90 degrees F and survivable from -20 degrees F to 110 degrees F.
 - x. Any equipment mounted above seating areas and venue floor is required to be secondarily fastened to structure using aircraft cable and appropriate fasteners. Cable sizing and fasteners must be capable of supporting a minimum of five (5) times the weight of affixed devices and eight (8) times the weight of movable devices.
2. Any Product Names contained within the RFP are to be considered the basis for design and the City of Stockton encourages Voluntary Alternates that meet or exceed these minimum technical and performance specifications.

QUALITY ASSURANCE

1. All requirements of the latest published editions of the following standards will apply, unless otherwise noted. In the event of conflict between cited or referenced standards, the more stringent will govern.
 - a. National Electric Code (NEC).
 - b. National Electrical Manufacturers Association (NEMA).
 - c. American National Safety Institute (ANSI).
 - d. Occupational Safety and Health Administration (OSHA).
 - e. American Iron and Steel Institute (AISI).
 - f. Underwriters Laboratories (UL).
 - g. Federal Communications Commission (F.C.C.) Rules and Regulations, Part 76.
 - h. Society of Cable Television Engineers (S.C.T.E.).
 - i. Society of Motion Picture and Television Engineers (S.M.P.T.E.).
 - j. American Society of Testing Materials (A.S.T.M.).
 - k. National Cable Television Association (N.C.T.A).
 - l. Electronic Industries Association (E.I.A.).
 - m. Telecommunications Industries Association (T.I.A.).
 - n. Military Spec- ML-TFDFO
2. Review all architectural, civil, structural, mechanical, electrical, and other project documents relative to this work.
3. Verify all dimensions and site conditions prior to starting work.
4. Coordinate the specified work with all other trades.
5. Maintain a competent supervisor and supporting technical personnel, acceptable to the City during the entire installation. Change of supervisor during the project will not be permitted without prior written approval from the City.
6. Provide all items not indicated on the drawings or mentioned in the specifications that are necessary, required, or appropriate for this work to realize a complete and fully operational system that performs in a stable and safe manner.
7. Review project documentation and continuously make known any conflicts discovered.
8. Provide all items necessary to complete this work to the satisfaction of the City without additional expense. In all cases where a device, item, or equipment is referred to in singular number or without quantity, each such reference will apply to as many such devices or items as required to complete the work.
9. Provide additional support or positioning members as required for the proper installation and operation of equipment, materials and devices provided as part of this work and approved by the City, without additional cost to the City.
10. Contractor shall be responsible for the proper fitting of the systems, equipment, materials, and devices provided as part of this work.

11. Promptly notify the City in writing of any difficulties that may prevent proper coordination or timely completion of this work. Failure to do so will constitute acceptance of construction as suitable in all ways to receive this work, except for defects that may develop in the work of others after its execution.
12. After installation, submit photographs showing cable entries and terminations within equipment racks, enclosures, and pedestals at the job site.

WARRANTY AND SERVICE

1. Contractor shall warrant labor, equipment, and materials for twenty-four (24) months following the date of Final Acceptance of permanent system installation.
2. During the warranty period the system must be free of defects and deficiencies and conform to the drawings and specifications with respect to the quality, function, and characteristics stated.
3. Contractor is responsible to repair or replace defects that occur in labor, equipment, and materials within the warranty period.
4. On-site labor will be included during the warranty period for all work beyond simple component replacement. Simple component replacement will be defined as all equipment that does not require tools to perform the equipment replacement.
5. Failed parts will be returned to the Contractor for repair at a service facility located in the United States. Contractor shall identify the location of its service facility in the documentation provided when submitting an RFP for this work.
6. The Contractor shall replace failed parts that cannot be repaired.
7. Upon receipt of a failed part, Contractor shall return a repaired or replacement part to the City within fifteen (15) business days from receipt of failed part.
8. Contractor shall provide at least one (1) local service employee or local authorized service agent for servicing and repair of all equipment during the warranty period. Local service employee or local authorized service agent will be located within 75 miles of City's facility.
9. The local service employee or local authorized service agent will be the entity responsible for providing the following emergency response availability:
 - a. Telephone service assistance and technical support from 8am to 11pm local time at City's facility, 7-days per week.
 - b. Answer all service calls and requests for information within one (1) hour during the warranty period.
 - c. A parts exchange program, including same day shipment of exchange parts. The manufacturer will keep a ready stock of key assemblies available to ship to the facility upon notice of a parts failure if part is not available in spare parts inventory at City's facility.
 - i. The advance replacement should contain all shipping information and packaging necessary to return the defective part or assembly back to Contractor at no cost to the City.

- d. Warranty will cover all equipment, including processors, controllers, operating systems, and software.
- e. Warranty will include two (2) annual on-site system check-ups by a qualified technician who is a full-time employee of the Contractor. Site visit for check-ups to occur approximately three (3) weeks prior to the start of the second and third seasons or as determined by the City.
- f. Check-up will include all regular maintenance; a complete inspection of all systems, parts replacement where required and a complete written report of all findings.

END OF PART 1 GENERAL:

**PACKAGE II STK22-1846 BROADCAST, BROADCAST CABLE & ENTERTAINMENT
LIGHTING UPGRADES**

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PACKAGE II STK22-1846 BROADCAST, BROADCAST CABLE & ENTERTAINMENT LIGHTING UPGRADES

PART 2 PRODUCTS - BASIS OF DESIGN

1. Reference accompanying Excel Proposal Form documents for template to provide pricing. Note: Proposers may provide their pricing in their native format but **MUST *pricing*** also be provided in the Excel Proposal Form template provided STK22-1846 broadcast, broadcast cable & entertainment lighting upgrades
2. It is the responsibility of the Contractor to provide a system or system components that meets or exceeds the manufacturer's specifications associated with the products specified as "Basis of Design". Contractor is responsible for all expenses incurred in providing alternate system(s) or system devices that are equal to or exceed "Basis of Design" compliance. Contractor is responsible for any re-engineering or re-design and associated expenses if the system is determined not in compliance by an City/Consultant review.
3. Basis of Design is intended to include all major broadcast system components. Contractor is responsible for including all miscellaneous components to provide a complete and fully operational system.
4. System Description:
 - a. Broadcast Control Room
 - i. Operators Positions
 - Switcher (TD)
 - CG
 - Director
 - Replay
 - Shading
 - Robotic Operator
 - b. Entertainment Lighting
 - i. Operator Positions
 - Front of House lighting
 - c. Acceptable manufacturers are:
 - i. Equipment listed in the provided Proposal form is to be considered the minimum specification. Please use the "City Alternative" to suggest any alternatives to the listed equipment.
 - ii. Please use the "Other Items Needed" section of the Proposal form to identify any equipment needed to make this a complete and Turn-Key system.

END OF PART 2 PRODUCTS

PACKAGE II STK22-1846 BROADCAST, BROADCAST CABLE & ENTERTAINMENT LIGHTING UPGRADES

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PACKAGE II STK22-1846 BROADCAST, BROADCAST CABLE & ENTERTAINMENT LIGHTING UPGRADES

PART 3 EXECUTION:

SCOPE OF WORK

1. The following outlines the turnkey delivery and installation responsibilities that define the project scope of work. All work outlined in this section is the responsibility of the Contractor unless otherwise noted. Contractor is required to provide all labor, materials, tools, supervision, and equipment to perform the following:
2. Install new equipment racks in the designated amp rack locations as noted.
3. Contractor is required to correspond with the project electrical contractor to confirm broadcast system power, conduit, and cabling work associated with this project.
4. Provide and install JBT cable back to the Truck Interconnect Room.
5. Contractor is responsible for assembly, secondary modifications and mounting of all components onto existing structures within the facility. Curtain wall is expected to be mounted to the pipe grid.
6. Provide and install all equipment listed in the Proposal Form document. Include all equipment not specifically listed but required to provide a completely functional system as part of this RFP.
7. All training and programming of the broadcast system is a part of the scope. Content for the systems will be the responsibility of the City's production group and to be ready for the training dates.
8. Furnish manufacturer provided training on the operation of all equipment.
9. Provide all required permits and licenses.
10. Provide on-site installation supervisor.
11. Coordinate work with other trades and coordinate scheduling with the construction supervisor to minimize delays.
12. Deliver all Equipment to site and convey to appropriate locations within site as directed by City.
13. Store all Equipment in a safe and secure manner until installed, or otherwise directed by City. Coordinate onsite storage container or available space in facility.

GROUNDING AND SHIELDING

1. Mount and enclose all electrical and electronic equipment in metal enclosures and equipment racks.
2. Use EMT type conduit for all cabling outside of equipment racks, except where plenum rated cabling is used above lay-in ceilings, cable trays, and designated raceways. Rigid type conduit will be used for underground raceways.
3. Use flexible conduits and PVC fittings to provide insulated connections of the building electrical raceways to equipment racks. Mount all equipment racks at the job site in a manner which provides electrical isolation from the building structure and electrical raceways.
4. Provide a single Technical Ground at Equipment racks where necessary.

WIRING PRACTICES/INSTALLATION

1. Provide rated cable for work to meet NEC codes.
2. Provide wet rated electrical power cords that connect to the nearest electrical outlet provided by others if environmental conditions require. Appropriate AC power connections are to be field verified.
3. Cables will be bundled, supported, and professionally installed. Include service and drip loops as necessary.
4. In all applicable instances use Neutrik, Switchcraft, or like equivalent signal connectors that are gold plated. Use Hubbell or equivalent electrical connectors for power. Use West Penn, Belden, Corning, or equivalent fiber connectors.
5. Where specific instructions are not given, perform all wiring in strict adherence to standard audio engineering practices.
6. Group all cables into the following classifications by power level or signal type:
 - a. Microphone Level: less than -20dBm.
 - b. Line Level Audio: -20dBm
 - c. DC Control Circuits: -20dBm.
 - d. Speaker Level: greater than +30dBm.
 - e. Copper Data.
 - f. Fiber Data.
 - g. AC Power Circuits
7. Separate wiring of differing classifications by at least six (6) inches, wherever possible. Wherever lines of differing classification must come closer together than six (6) inches, cross them perpendicular to each other.
8. Neatly harness wires together within racks by power level classification using horizontal and vertical wiring supports as required. Rigidly support all wires with fixed connection points. Leave service loops of sufficient lengths to allow rack hinges or slides to fully extend to facilitate access to rear panel connectors from the front of each rack. Do not use self-adhesive tie-wrap pads for support of cables unless fastened with screws.
9. Observe consistent polarity throughout the audio systems as follows:
10. Use only balanced differential inputs throughout the audio system.
11. Use approved transformers as directed to reduce objectionable system noise to acceptable levels.
12. Exercise care in wiring to avoid damaging the cables and equipment. Use grommets around cut-outs and knockouts where conduit or chase nipples are not installed.
13. Cut off unused wire ends approximately one-half inch (1/2 ") past the wire jacket. Fold them back over the jacket, and secure in place with heat-shrink tubing. In multi-conductor cables, preserve all unused conductors for future use. Failure to do so may result in replacement of cables at the contractor's expense.
14. Make connections using rosin-core solder or approved mechanical connectors. Connect microphone, control, and line level wiring through approved connectors. Connect speaker level wiring using approved terminal barrier strips. Mount all terminal devices on a non-

conductive (electrically) rigid surface. Provide 10% spare terminals at each location. Label each terminal with a unique number.

15. All fiber splicing will utilize the fusion splice method. The maximum allowable loss per fusion splice will be 0.5 dB.
16. Pull mandrel one size smaller than the conduit, through entire length of all underground conduits.
17. Cable pulling lubrication must be utilized when pulling cable in conduits.
18. A dynamometer must be used to measure pulling tension during long or difficult runs. The dynamometer is to be placed between the cable puller and the pull line to monitor pulling tension. The manufacturer's pulling tension maximum range must not be exceeded.
19. Pulling grips suitable for use with fiber cables will be applied to the ends of the cable. Consult cable manufacturer to determine appropriate pulling grip and method of attachment. Breakaway or fuse links will be used at the pulling grip. Ensure that the correct fuse pin is installed in the fuse link.
20. The bend radius for all cables will conform to manufacturer's specifications

LABELING

1. Label products in a logical, legible, and permanent manner corresponding to the Drawings. Wording, format, style, color, and arrangement of text will be subject to the consultant's approval.
2. Submit samples and labeling schedule for approval upon request. Labeling will be verified at final system adjustment and equalization.
3. Label all wall plates for input, output, and control receptacles as well as connector mounting plates in all boxes using 1/8" lettering of contrasting color, as approved.
4. Use self-adhering labels, squarely and permanently attached, to label the following:
 - a. Patch panel designation strips.
 - b. Front and back of all rack mounted equipment including controls.
 - c. Barrier strips, terminals, transformers, switches, relays, volume controls and similar devices.
5. Label pushbutton switches with lettering of contrasting color.
6. Label all permanently installed wires on both ends with approved permanent clip-on type or sleeve type markers. Wrap-around adhesive labels will not be accepted unless completely covered with clear heat shrink tubing.
7. Label all portable equipment with block letters using initials and/or words. Label all portable cables similarly with printed heat-shrinkable tags located 12 inches from the male connector end. Verify lettering through the consultant prior to engraving or printing.
8. Label access panels and backboards with designations corresponding to the drawings.

STRUCTURAL CONSIDERATIONS

1. Contractor is responsible to design, engineer, build, deliver, install, integrate, and commission complete turnkey systems as specified with all required sub-structure needed

to support devices and associated components.

2. Contractor shall verify all field conditions and coordination prior to installation.
3. Mount all audio system(s) devices, fiber interfaces, UPS, and other required devices to make for a complete operating system.
4. Contractor is responsible for design and erection of all mounting equipment, material, and hardware related to the new equipment.
5. Mounting equipment, material, and hardware will be fabricated using structural steel and/or aluminum (optional). Contractor shall provide necessary protective separation when connecting dissimilar metals to prevent galvanic corrosion.
6. Bolted and/or field welded connections will be subject to special inspection by an independent testing & inspection agency certifying that bolted and/or welded connections meet the minimum requirements of the engineered structural drawings, the governing building code, or as required by the building official; whichever is more restrictive. Inspections will take place prior to painting any connection.
7. Documentation will be provided to City verifying acceptable results from all special inspections. All items failing inspection will be repaired or replaced and re-inspected at no additional cost to the City.
8. All components that are painted or otherwise finished for exterior service conditions will be warranted to be free of rust or other defects for a period of ten years.
9. All welders must be certified, and certificates must be on site and available for inspection as requested.
10. To minimize fading or oxidation, all finishes must be primed and coated. All areas of the secondary support structure must be primed and painted to match.

ELECTRICAL AND DATA

1. The electrical design and installation of all branch circuits by the Contractor shall comply with NEC, state, and local codes, as well as City regulations and guidelines.
2. The Contractor is required to provide signal and data one-line diagrams.
3. Contractor shall provide six (6) spare strands of fiber in addition to the total amount of fiber required for audio and/or data communication transport. All fiber will be terminated and landed in an appropriate fiber patch panel. All new fiber supplied by Contractor shall be tested and will not exceed maximum allowable dB loss.
4. Multi-mode fiber tested will not have a signal dB loss greater than 0.1dB per 100 feet (30m) for 850nm fiber or a loss greater than 0.1 dB per 300 feet (100m) for 1300nm fiber.
5. Single-mode fiber tested will not have a signal dB loss greater than 0.1dB per 600 feet (200m) for 1310nm fiber or a loss greater than 0.1 dB per 750 feet (250m) for 1550nm fiber.
6. Contractor shall provide all required fiber transmitters and receivers (including amplifiers where required). Contractor shall be responsible to terminate and perform final connection of all cables. Cables will be routed from the specified control locations to the audio components per Contractor's diagram upon approval by the City.

AESTHETIC CONSIDERATIONS

1. Contractor shall assume premium finishes on all elements not yet defined.
2. For City's approval prior to contract award, the Contractor must provide a comprehensive outline of intended finish details of all audio equipment that will be located in public viewing areas. Failure to submit these details prior to contract award will make Contractor responsible for all finishes as required by City at no additional cost to City.
3. No exposed bolts or unfinished surfaces are permitted on audio equipment that is within public view. Any part of the secondary steel frame exposed to public view will be covered with flashing or structure if requested by City.
4. The Contractor shall not visibly display its trademarks or insignia on any of the Equipment or structural elements within public view.

TRAINING

1. The Contractor, at its own expense, shall provide designated City employee, operator, and maintenance training.
2. Training will be performed at the site by a qualified technician and will occur either during installation of the equipment or immediately thereafter. O&M Manuals per Section **Operation and Maintenance (O&M) Manual, page 26** will be provided to City prior to training.
3. The training will cover the operation, routine maintenance, and troubleshooting of the broadcast and broadcast cable system.
4. Furnish manufacturer provided training on the operation of the new switcher, replay and router.
5. Fiber care and cleaning will need to be a part of the sessions. Contractor shall provide City with one (1) cleaning pack with the closeout documentation.
6. Training will consist of at least 24 hours over the course of three (3) days of instruction.
7. Contractor shall video record all training sessions and submit recorded training sessions to City in DVD or USB format with O&M Manuals.
8. Contractor shall be required to have an operator on site for the first event and continue to be on site for three (3) consecutive **problem free** major events as approved by the City. "Problem-free" constitutes an event where the sound system, and any other components installed by the Contractor, perform without failure during an event. It will be required that each successful event will be "signed off" by the City until **three (3) consecutive events are achieved**.
9. Warranty period will commence at the conclusion of the third consecutive successful event.

TESTING AND ACCEPTANCE

1. Contractor must demonstrate the full capabilities of the provided systems and prove performance meets contractual specifications.

2. Confirmation will be required for, but not limited to the following functions:
 - a. Operation of each system component including:
 - i. Back-up systems
 - ii. Control system(s) functionality
 - iii. Integration with existing systems
3. Contractor must provide all necessary testing equipment for acceptance.
4. Upon notice from the Contractor of substantial completion and at a time to be mutually agreed upon, the Contractor shall arrange for testing of all operations of the systems comprised in scope of work at the time of substantial completion.
5. The following items must be completed and signed off by a City designated expert before the City will deem the system "Accepted":
 - a. The City will not be responsible for any added costs as a result of an unsuccessful acceptance test.
 - b. Acceptance of the system includes, but is not limited to, the completed installation of all physical components and the issuance of the Certificate of Approval for code compliance by the Code Authority having Jurisdiction.
 - c. Tests of the system will not occur until after the system has been installed, and all work has been completed.
6. Document all acceptance testing, calibration, and corrective procedures described herein. Include the following information:
 - a. Performance date of the given procedure.
 - b. Conditions related to the performance of the procedure.
 - c. Type of procedure, and description.
 - d. Parameters measured and their values, including reference values measured prior to calibration (or correction), as applicable.
 - e. The names of personnel conducting the procedure.
 - f. The equipment used to conduct the procedure.
7. Upon completion of initial tests and adjustments, submit written report of tests to the City along with all documents, diagrams, and recorded drawings required herein.

END OF PART 3 EXECUTION

**PACKAGE II STK22-1846 BROADCAST, BROADCAST CABLE & ENTERTAINMENT LIGHTING
UPGRADES**

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PACKAGE III: STK22-1847 HOUSE AND GAME LIGHTING

PART 1 GENERAL

PROJECT SPECIFICATIONS AND DESCRIPTION

1. The Contractor is to provide a fully integrated design solution for the sports lighting fixtures at the Stockton Arena. The fixtures shall be LED and shall operate at a supply voltage of 277 volts. The lighting fixture and application must meet the standards as set forth by the NCAA Championship Standards and meet the needs of UHD and HDTV broadcasts with flicker uniformity of better than 2% as viewed by high frame rate cameras up to 300 frames per second. System to have a minimum of 16 step dimming capability as well as individual and group fixture control.
2. The primary goals of this sports lighting project are:
 - a. **Guaranteed Light Levels:** Selection of appropriate light levels impact the safety of the players and the enjoyment of spectators. Therefore, light levels are guaranteed to not drop below specified target values for a period of 10 years.
 - b. **Environmental Light Control:** It is the primary goal of this project to minimize glare to the players and spectators. The LED design should provide better control than a good HID design.
 - c. **Life-cycle Cost:** In order to reduce the operating budget, the preferred lighting system shall be energy efficient and cost effective to operate. All maintenance costs shall be eliminated for the duration of the warranty.
 - d. **Control and Monitoring:** To allow for optimized use of labor resources and avoid unneeded operation of the facility, the City requires a remote on/off control system for the lighting system. Venue should be monitored to detect luminaire outages over a 10-year life cycle. All communication and monitoring costs for 10- year period shall be included in the bid.
3. The Contractor shall be responsible for providing all lighting equipment as required, installation, configuration, tuning, demolition and removal of legacy equipment. At no time is the Contractor to assume use of City waste removal mechanisms.
4. The Contractor shall be responsible for the provision and installation of any secondary structural steel and mounting brackets/hardware required to attach to the catwalk existing pipe railing structures. This includes all labor, materials, equipment, tools, transportation, and project management required for complete a fully operational system(s).
5. City will provide Primary Power at defined demarcation points as identified in provided electrical drawings. Contractor is required to field verify power demarcations and include any additional service requirements as part of their proposal. Contractor shall be responsible for all power and electrical distribution from demarcation point (Secondary Power) to new system(s). Contractor shall provide all secondary power connections/terminations required to power new system(s).
6. It is the Contractor's responsibility to inspect the site and include all work as part of their proposal. All work shall adhere to all NEC, state, and local electrical code, whichever is the most stringent shall govern.
7. Upon approval by the City, Contractor may use conduits or raceways currently installed in the arena for low voltage, video signal, and/or data communication for new system(s). If existing conduits or raceways are utilized for new wire pulls, all fill ratios and code compliance required. All additional conduit and raceways required to complete a path to each lighting fixture shall be furnished and installed by Contractor. Contractor shall be

responsible to furnish, install, and terminate all required cabling needed to make new system(s) complete and fully operational.

8. Contractor shall be responsible for final engineering of structural and electrical components required for new system, including professional engineering stamp by a licensed/registered engineer in the State of California.
9. Contractor is responsible for supplying a complete and fully operational and turnkey system as intended by the RFP documents and any subsequent addendums. Prior to entering into a contract for the project, vendor is responsible for notifying City of any equipment omissions in the RFP documents that would prevent the completion of a fully operational and NCAA standards compliant system. If Contractor fails to notify City of any equipment omissions, Contractor shall assume responsibility for providing the required equipment at no additional cost to City.
10. Contractor shall field verify all work site conditions, including dimensions and sightlines prior to submitting shop drawings.
11. Contractor shall grant City a license to use all proprietary software provided with this bid package for the life of the system.

PROPONENT QUALIFICATIONS

1. City seeks to contract with a Proponent for the full performance of the work as described in this RFP and to obtain long-term service and support for all equipment supplied by the selected Proponent. To ensure the chosen vendor has the long-term interests of City in mind, the following shall be required to submit a proposal for this project. Failure to submit acceptable responses to all these requirements shall eliminate a vendor from consideration. The City, in its sole discretion, shall reserve the right to waive any or all the requirements listed below.
2. Proponent shall provide a list of a minimum of five (5) professional or collegiate arenas (facility, contact name, title, address, and current phone number) where the Proponent has provided equipment and services of similar size and scope to this bid package within the last three (3) years.
3. Proponent shall have a direct service employee or certified Contractor capable of providing maintenance response with-in 2 hours of a call for service.
4. Proponent shall provide a complete list of all Sub-Contractors (Electrical & Mechanical Contractors, Labor Providers, any person(s) not directly employed by Vendor) used to complete this project. Sub-Contractor may need to submit additional insurance and state license to work in the City of Los Angeles and State of California.

SUBMITTAL REQUIREMENTS

1. Initial Submittals and Shop Drawings.
2. Contractor shall be required to provide submittals and shop drawings to City within twenty (20) calendar days of date shown on award notice, acknowledged with a binding letter of intent. Contractor shall advise the City of any discrepancy that could affect installation. If Contractor fails to notify City of any discrepancies, Contractor shall assume responsibility for providing the required equipment or correcting such discrepancies at no additional cost to City.
3. Submit (1) electronic copy, product data photometric studies and samples together in one package within thirty (30) calendar days of date shown on award notice to Contract and prior to ordering equipment.

4. Submit catalog data sheets electronically in a collaboration folder between the vendor, client and consultant.
5. Submit method of attachment for lighting fixtures required for this scope of work. A licensed/registered engineer in the State of California shall stamp all structural drawings.
6. Submit sectional and longitudinal section drawings showing relation of the proposed light fixture positions in relation to all obstructions including the structure, scoreboard, team banners, all entertainment and audio equipment, and flags.
7. Submit point-to-point wiring diagrams and typed wire lists identifying every connection. Include electronic devices such as switches, transformers and terminal blocks. Indicate locations of all components. Identify cables by type, color, and wire numbers.
8. Submit conduit riser diagrams showing required conduits and junction boxes along with types of quantities of cables to be contained in each conduit. Show details of grounding, strain relief and cable support, fire stop protection, and wall penetrations through all rated partitions.
9. Submit rack layouts indicating the proposed arrangement of mounted equipment including power junction box location. Rack layouts shall include front and rear views.
10. Submittal drawings shall indicate proposed color selections and finishes for all exposed surfaces and custom fabricated items. Submit actual color/finish samples, wall plates, and custom labels.
11. Submit a list of all lower tier Sub-Contractors and suppliers. List shall include lower tier Sub-Contractor's qualifications indicating performance of similar work on past projects of this type and scope.
12. Submit a project schedule in Gantt Chart format outlining equipment delivery dates and installation start and finish dates. Project schedule shall be broken down into sufficient detail (work task and duration) to permit City to monitor installation progress daily. Coordinate submittal review requirements and order dates for long lead items in critical path of submitted schedule.
13. Copies of all required business and Contractor licenses.
14. Copies of proof of insurance.
15. Approval of submitted items indicates only the acceptance of the manufacturer and quality. Specific requirements, arrangements, and quantities shall comply with the intent of the Contract Documents as interpreted by the City unless specifically approved in writing.
16. Submittals that are incomplete, deviate significantly from the requirements of the Contract Documents, or contain numerous errors will be returned without review for rework and re-submittal, and may result in back charges to the Contractor.

Contract Closeout Submittal

1. When the installation is substantially complete including the Testing Reports in Part 3 of this Section, Contractor shall submit two (2) complete initial hard copy sets of contract closeout submittals to the City for review. After review and approval of initial set, City shall return one (1) initial hard copy to Contractor with comments for updating. Contractor shall provide two (2) final sets of closeout submittals to City and one (1) electronic copy in searchable PDF format to City and Consultant. Closeout submittals shall include, but not be limited to:
 - a. Project Record Drawings (As-Built Drawings).

- b. A list of all equipment provided and its location within the facility. List shall include manufacturer name, model identifier, serial number, and any other pertinent information needed to obtain service, maintenance, and/or replacement.
- c. A list of all Sub-Contractors who performed work for Contractor during installation. List shall include company name, short description of work performed by Contractor, physical company address, phone number, and contact person(s).
- d. All testing reports as specified in Section 3.11 – Testing and Acceptance.

2. Operation and Maintenance Manual

- a. Upon substantial completion and prior to on-site training with the City, Contractor shall provide two (2) final hard copies and (1) soft copy to City and Consultant, Operation & Maintenance Manuals (O&M Manuals). O&M Manuals shall have tab dividers and shall be logically organized to provide easy access to information without the need to research through entire manual. All documents provided in the O&M Manual shall be written in English and shall provide sufficient detail as to be understood by an individual with no knowledge of LED Lighting or the associated control equipment and/or operating systems. Contents of the O&M Manual shall include, but not be limited to:
 - i. Table of Contents
 - ii. Contractor/Sub-Contractors/supplier list including all items from the Contract Closeout Submittals section on page 41.
 - iii. Warranty certificates for each component.
 - iv. Description / overview of system(s) including key features and operational procedures.
 - v. Full start up procedure for all control room rack equipment and LED lighting equipment written under the assumption that all equipment was in full powered off mode.
 - vi. As simplified as possible step by step Operation sequences and procedures for operators of each system.
 - vii. Full shutdown procedure for all control room rack equipment and LED lighting equipment written under the assumption that the facility is in an extended power failure situation.
 - viii. Troubleshooting procedures for all equipment provided by Contractor. Troubleshooting procedures shall have included demonstration photos and/or diagrams as required.
 - ix. Maintenance procedures for all equipment provided by Contractor. Maintenance procedures shall include demonstration photos and/or diagrams as required. Contractor shall indicate whether maintenance procedures should be performed monthly, bi-annually, or annually.
 - x. City's Manuals for all third party and/or "off the shelf" type equipment provided by Contractor, e.g., KVM's, fiber modems, network switches/routers, and UPS battery backups.
 - xi. All third-party equipment and/or "off the shelf" equipment warranties and a notarized System Warranty.

EQUIPMENT GENERAL SPECIFICATIONS

1. All equipment and materials, except City furnished, shall be new and the latest version at the time of bid and shall conform to applicable UL, ULC, or ANSI provisions. Re-manufactured or “B” stock equipment will not be accepted without prior written consent from the City. Evidence of unauthorized re-manufactured or “B” stock equipment on the project site will be deemed evidence of the Contractor’s failure to perform the work.
2. Contractor shall take care during installation to prevent scratches, dents, chips or disfiguration of equipment and materials supplied. All damaged equipment and/or materials shall be repaired or replaced at City’s discretion. Contractor shall perform either option selected by City at no additional cost to the City.
3. All power and data cabling are to be labeled at each end of the cable with a description in English OR with a reference to a wire designation on a wiring diagram. This includes all cables internal to the displays, all cables between displays and control room, and all cables internal to the control room. These diagrams must be part of the Project documentation submitted to the City at time of acceptance.
4. Each device shall meet all its published manufacturer’s specifications. Verify performance as required.
5. Provide engraved self-adhesive phenolic labels at the front and rear of all rack-mounted signal processing, control, and graphics equipment. Mount labels on the equipment chassis and attach in a neat and permanent manner. Embossed label will not be accepted. Label equipment with schematic enumeration reference, and with descriptive information regarding its function or area it is serving. Similarly, provide engraved labels at the rear only of equipment mounted in furniture consoles.
6. All engraving shall be 1/8” block lettering unless noted otherwise. On dark panels or pushbuttons, letters shall be white. Letters shall be black on stainless steel, brushed natural aluminum plates or light-colored pushbuttons.
7. Per IEC-268 standard, all XLR connectors not mounted on equipment shall be wired pin 2 hot (high), pin 3 low, and pin 1 screen (shield).
8. Contractor shall exercise care when wiring racks to avoid damaging cables and equipment. Contractor shall install grommets around cut-outs and knock-outs where conduit or chase nipples are not installed.

QUALITY ASSURANCE

1. All requirements of the latest published editions of the following standards shall apply, unless otherwise noted. In the event of conflict between cited or referenced standards, the more stringent shall govern.
 - a. NCAA - LED Lighting Requirements
 - b. National Electric Code (NEC)
 - c. National Electrical Manufacturers Association (NEMA)
 - d. American National Safety Institute (ANSI)
 - e. Occupational Safety and Health Administration (OSHA)
 - f. American Iron and Steel Institute (AISI)
 - g. Underwriters Laboratories (UL)

- h. Federal Communications Commission (F.C.C.) Rules and Regulations, Part 76.
 - i. Society of Cable Television Engineers (S.C.T.E.)
 - j. Society of Motion Picture and Television Engineers (S.M.P.T.E.)
 - k. American Society of Testing Materials (A.S.T.M.)
 - l. National Cable Television Association (N.C.T.A)
 - m. Electronic Industries Association (E.I.A.)
 - n. Telecommunications Industries Association (T.I.A.)
2. Review all available architectural, civil, structural, mechanical, electrical, and other project documents relative to this work.
 3. Verify all dimensions and site conditions prior to starting work.
 4. Contractor to provide a plot of measured lighting levels per the NCAA Specifications.
 5. Coordinate the specified work with all other trades.
 6. Maintain a competent supervisor and supporting technical personnel, acceptable to the City during the entire installation. Change of supervisor during the project shall not be permitted without prior written approval from the City.
 7. Provide all items not indicated on the drawings or mentioned in the specifications that are necessary, required or appropriate for this work to realize a complete and fully operational system that performs in stable and safe manor.
 8. Review project documentation and continuously make known any conflicts discovered and provide all items necessary to complete this work to the satisfaction of the City without additional expense. In all cases where a device or item or equipment is referred to in singular number or without quantity, each such reference shall apply to as many such devices or items as are required to complete the work.
 9. Provide additional support or positioning members as required for the proper installation and operation of equipment, materials and devices provided as part of this work as approved by the City, without additional cost to the City.
 10. Regularly examine all construction, and the work of others, which may affect Contractor's work to ensure proper conditions exist at site for the equipment and devices before their manufacture, fabrication, or installation. Contractor shall be responsible for the proper fitting of the systems, equipment, materials, and devices provided as part of this work.
 11. Promptly notify the City in writing of any difficulties that may prevent proper coordination or timely completion of this work. Failure to do so shall constitute acceptance of construction as suitable in all ways to receive this work, except for defects that may develop in the work of others after its execution.
 12. All Lifts and Crane's (Mechanical, Electric, Gas or Diesel) must meet all OSHA Regulations, City and State Code and have current inspection licenses with all equipment.
 13. MSDS Sheets shall be organized in a binder, available at site at all times and comply with all OSHA and Local and State Codes.
 14. All Hazardous materials shall be stored in an OSHA compliant storage container and placed in area directed by client.
 15. After installation, submit photographs showing cable entries and terminations within equipment racks, enclosures and pedestals at the job site.

WARRANTY AND SERVICE

1. Contractor shall warrant labor and materials for ten years following the date of Final Acceptance.
2. During the warranty period the system shall be free of defects and deficiencies and conform to the drawings and specifications with respect to the performance, quality, function, and characteristics stated.
3. Contractor shall repair or replace defects that occur in labor or materials within the warranty period. If repair is affected using City's spare parts allotment, Contractor shall replenish all parts used to keep City's inventory at the amount required by the contract.
4. On-site labor shall be included at any time during the warranty period:
 - a. When 10% or more of the fixtures are out or light levels fall 10% below the design criteria values.
 - b. When color balance and uniformity exceed a 10% variation of the initial TLCI or CRI readings.
 - c. When system is out of NCAA Standards compliance for any reason.
5. Failed parts shall be returned to the Contractor at the Contractor's expense for repair at a service facility located in the United States. Contractor shall identify the location of its service facility in the documentation provided when submitting a bid for this work.
6. The Contractor shall replace failed parts that cannot be repaired.
7. Upon receipt of a failed part, Contractor shall return a repaired or replacement part to the City within fifteen (15) business days from receipt of failed part.
8. Contractor shall supply at least one local service employee or local authorized service agent for servicing and repair of all equipment during the warranty period. Local service employee or local authorized service agent shall be located within 100 miles of City's facility. Individual or firm intended to meet this requirement shall be submitted with responsibility review materials.
9. The local service employee or local authorized service agent shall be entity responsible for providing the following emergency response availability:
 - a. Telephone service assistance and technical support 24 hours a day at City's facility, 7-days per week.
 - b. Answer all service calls and requests for information within one (1) hour during the warranty period.
 - c. A parts exchange program, including same day shipment of exchange parts. The manufacturer shall keep a ready stock of key assemblies available to ship out upon notice of a parts failure if part is not available in spare parts inventory at City's facility.
 - d. The advance replacement should contain all the shipping information and packaging necessary to return the defective part or assembly back to Contractor at no cost to the City.
10. Warranty shall cover all equipment, including controllers, operating systems, and software.
11. Warranty shall include 2 annual on-site system check-ups per warranty year by a qualified technician who is a full-time employee of the Contractor. Visit to occur approximately 2-3 weeks prior to the start of the season or as determined by City.

12. Check-up shall include a complete service and maintenance of the system; including module or fixture replacement as needed.
13. Warranty shall include any and all necessary assistance required by the City to demonstrate compliance with NCAA Standards.

SPARE PARTS

1. Contractor shall supply a spare parts inventory containing 2% spare drivers (minimum of one (1)) and 2% spare power supplies (minimum of one (1)) whichever is greater, and a minimum of one (1) of every critical component not listed above. Spare parts inventory shall be based on quantity of components used to complete the system. Contractor shall provide proposed spare parts inventory as part of the bid submission.
2. At the time of final completion, Contractor shall supply the specified spare parts inventory regardless of spare parts used during initial “shake out”, “burn in” and/or testing of newly installed LED Fixtures.
3. Manufacturer of the LED lighting system components shall continue to make all parts necessary for the continued functioning of the system for a minimum of ten (10) years after acceptance of this project. Furthermore, upon end of life of any component used in the LED lighting fixtures, that is not replaced by a “backwards compatible” component, Manufacturer shall notify City of end-of-life status being given to components of this system and shall give City an opportunity to buy spare parts from stock or a last production run, at then commercially viable prices.

END OF PART 1 GENERAL:

PACKAGE III STK22-1847 HOUSE AND GAME LIGHTING

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PACKAGE III STK22-1847 HOUSE AND GAME LIGHTING PART 2 PRODUCTS

LED SPORTS LIGHTING SYSTEM – PERFORMANCE REQUIREMENTS

1. Illumination Levels and Design Factors: Playing surfaces shall be lit to an average target illumination level and uniformity as specified in the chart below. Lighting calculations shall be developed, and field measurements taken on the grid spacing with the minimum number of grid points specified per NCAA standards and per information below for Work and House Lighting scenes. Appropriate light loss factors shall be applied and submitted for the basis of design. Average illumination level shall be measured in accordance with the IESNA LM-5-04 (IESNA Guide for Photometric Measurements of Area and Sports Lighting Installations). Illumination levels shall not to drop below desired target values in accordance with IES RP-6-15, Maintained Average Illuminance and shall be guaranteed for the full warranty period.
2. All lighting designs shall comply with NCAA Lighting Standards. House and Work Lighting fixtures to be separate from Game fixtures.
3. Obstruction Compensation: To achieve the illumination and uniformity design levels required, the manufacturers design calculations and fixture aiming positions must compensate for obstructions, equipment, sound system speakers, center hung video boards, mechanical ducts, roof support cross bracing, etc.

ENVIRONMENTAL LIGHT CONTROL

1. Light Control Luminaires: All luminaires shall utilize spill light and glare control devices including, but not limited to, internal shields, louvers, and external shields. No symmetrical beam patterns are accepted.
2. A photometric report for all luminaire types proposed showing horizontal and vertical axial candle power shall be provided to demonstrate the capability of achieving the specified performance. Reports shall be certified by a qualified independent testing laboratory with a minimum of five years of experience or by a manufacturer's laboratory with a current accreditation under the National Voluntary Laboratory Accreditation Program for Energy Efficient Lighting Products. A summary of the horizontal and vertical aiming angles for each luminaire shall be included with the photometric report.

PRODUCTS

1. Reference accompanying Excel Bid Sheet documents for template to provide pricing. Note that Bidders may provide their pricing in their native format but must also be provided in the Excel template provided.
2. It is the responsibility of the Contractor to propose a system that meets or exceeds NCAA Championship lighting standards. Contractor is responsible for any and all expenses incurred to make the system(s) compliant. Contractor is responsible for any re-engineering or re-design and associated expenses if the system is determined not in compliance.
3. Flicker uniformity of better than 2% as viewed by high frame rate cameras up to 300 frames per second.
4. System must have the ability to dim all fixtures a minimum of 16 steps from 0 to 100%.
5. System must have the ability to control fixtures in groups of fixtures, banks and individual fixtures, allowing for special effects.

6. System must be FCC compliant for Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI) emissions.

SPORTS LIGHTING SYSTEM CONSTRUCTION

1. Manufacturing Requirements: All components shall be designed and manufactured as a system. All luminaires, drivers, and other enclosures shall be factory assembled, aimed, wired and tested.
2. Durability: The lighting system, including all mounting brackets, shall be powder-coat painted for protection. All mounting brackets are to be made of steel construction. Only stainless steel or zinc plated steel hardware is allowed.
3. System Description: Lighting system shall consist of the following:
 - a. LED Lamp Technology Sports Lighting Fixtures. Instant on/off capabilities and DMX Dimming Capabilities. Dimming interface shall be via a hard wire connection. Wireless controls not permitted.
 - b. Fixtures must have external visors to minimize glare in the seats and on the event floor. Output of the LED fixtures to meet NCAA standards.
 - c. To ensure proper color saturation of the RBBW fixtures a minimum of 480,000 lumens of Green, 192,000 lumens of Blue, and 192,000 lumens of Red shall be provided for this project.
 - d. Fixtures must come standard with a 10-year full coverage warranty, parts and labor warranty with guaranteed light levels to meet NCAA for all 10 years.
 - e. Color Temperature/CRI and TLCI to meet NCAA standards.
 - f. Fixture Operating Temperature Range of -30 Degrees C to 40 Degrees C. Maximum Junction Temperature of the diodes shall be 90 Degrees C.
 - g. Fixtures shall use remote electronic drivers with an efficiency of 95% or greater. Integral driver fixtures are not acceptable. Remote driver enclosures shall be mounted on the catwalk. Each enclosure shall house drivers, fusing, and associated wiring.
 - h. Secondary Wiring: Wiring from the remote driver to the fixture shall be 1000V rated and meet all local electrical codes.
 - i. Custom Mounting Hardware: Manufacturer shall provide all design work, brackets, and hardware for mounting the lighting system to the facility's structural steel. Fixture mounting brackets must be customized to the structure to ensure a clean appearance and quick installation. Existing mounts must be replaced with new mounting hardware. Yoke mounts are not acceptable.

ELECTRICAL

1. Electric Power Requirements for the Sports Lighting Equipment:
 - a. Per voltage and phasing on site.
 - b. Maximum total voltage drop: Voltage drop to the remote enclosures shall not exceed three (3) percent of the rated voltage.

CONTROL

1. Instant On/Off Capabilities: System shall provide for instant on/off of luminaires.
2. Dimming: Advanced control for a full range of theatrical effects and dimming. System shall provide trouble-free communication interface to allow DMX control provided by others.

3. Remote Lighting Control System: Trained staff shall be available 24/7 to provide support and assist with reporting needs.
4. Remote Monitoring System: System shall have capability to remotely diagnosis any individual driver outage and detect remotely power loss to the fixtures.
5. Management Tools: Manufacturer shall provide a web-based database and dashboard tool of actual field usage and provide reports by facility and user group. Dashboard shall also show current status of luminaire outages, control operation and service. Mobile application will be provided suitable for IOS, Android and Blackberry devices.
 - a. Hours of Usage: Manufacturer shall provide a means of tracking actual hours of usage for the lighting system that is readily accessible to the City.
 - i. Cumulative hours: shall be tracked to show the total hours used by the facility.
 - ii. Report hours saved by using early off and push buttons by users.

**END OF PART 2 PRODUCTS:
PACKAGE III STK22-1847 HOUSE AND GAME LIGHTING**

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PACKAGE III STK22-1847 HOUSE AND GAME LIGHTING

PART 3 EXECUTION

1. The following outlines the turnkey delivery and installation responsibilities that define the project scope of work. Any and all work outlined in this section is the responsibility of the Contractor unless otherwise noted. Any and all dates referenced in this document are approximate projected dates and are subject to change.
2. Contractor is required to provide all labor, materials, tools, supervision and equipment to perform the following:
 - a. Remove and dispose of all existing equipment that is being replaced in this package, as well as all packaging, scrap, and trash from new fixtures and materials.
 - b. Provide and install all equipment required to conform to NCAA Standards, including any and all equipment not specifically listed that is required to provide a completely functional system.
 - c. The system included in this RFP are:
 - i. NCAA Sports Lighting Package
 - ii. Arena House Lighting (RGBW)
 - iii. Arena Work Lights
 - iv. Event Floor Work Lights
 - v. Connections to main DMX Systems
3. Ensure all components above occupied areas are secondarily secured by manufacturer-approved affixation e.g., safety cables and compliant with all relevant local, state, and national codes.
4. Meet all design and commissioning requirements as established by the NCAA Standards and performance criteria.
5. Primary control of system will be via the Building Automation System, with existing stations at Building Electrician, Building Engineer, and Security Office as well as interfacing with the productions lighting console.
6. Contractor to provide all necessary precautions for protection of all facility components, including playing surface and arena seating, if necessary. Contractor is responsible for repair or replacement of any damaged facility components caused by the Contractor and/or any Sub-Contractors hired by Contractor to perform work on site.
7. Contractor to provide all required new conduit for signal cable to each fixture back to DMX control system.
8. Provide required electrical and data cable: connect all equipment with power, signal and control wiring.
9. Coordinate with City regarding placement of new equipment rack(s) and electrical components.
10. Provide all required permits and licenses.
11. Provide a competent on-site installation supervisor.
12. Deliver all Equipment to site and convey to appropriate locations within site as directed by City.
13. Store all Equipment in a safe and secure manner until installed, or otherwise directed by City.

DELIVERY TIMING

1. Delivery Timing Equipment On-Site: The equipment must be on-site 16 weeks from receipt of approved submittals and receipt of complete order information.

FIELD QUALITY CONTROL

1. Manufacturer shall provide a factory trained project manager to be on-site during delivery and installation of equipment.
2. Illumination Measurements: Upon substantial completion of the project and in the presence of the Contractor, Project Engineer, City's Representative, and Manufacturer's Representative, illumination measurements shall be taken and verified. The illumination measurements shall be conducted in accordance with IESNA LM-5-04.
3. Field Light Level Accountability.
4. Light levels are guaranteed not to fall below the target maintained light levels for the entire warranty period of 10 Years.
5. Correcting Non-Conformance: If, in the opinion of the City or his appointed Representative, the actual performance levels including footcandles and uniformity ratios are not in conformance with the requirements of the performance specifications and submitted information, the Manufacturer shall be required to adjust to meet specifications and satisfy City.

WARRANTY AND GUARANTEE

1. 10-Year Warranty: Each manufacturer shall supply a signed warranty covering the entire system for 10 years from the date of shipment. Warranty shall guarantee specified light levels. Manufacturer shall maintain specifically funded financial reserves to assure fulfillment of the warranty for the full term. Warranty does not cover weather conditions events such as lightning or hail damage, improper installation, vandalism or abuse, unauthorized repairs or alterations.
2. Maintenance: Manufacturer shall monitor the performance of the lighting system, including on/off status, hours of usage and luminaire outage for 10 years from the date of equipment shipment. Parts and labor shall be covered such that individual luminaire outages will be repaired when the usage of any field is materially impacted. City agrees to check fuses in the event of a luminaire outage.

ENGINEERING

1. The Contractor shall submit drawings and calculations stamped by a professional engineer who shall be licensed/registered in the State of California.
2. Contractor is responsible for taking all seismic, and environmental considerations into account and making structural provisions for any such requirements.
3. City and/or Architect/Engineer must approve all drawings in writing prior to the fabrication and installation of any equipment.
4. Engineered drawings are to include both structural and electrical.
5. The Contractor is solely responsible for verification the integrity of all engineering calculations. Contractor is responsible for verification of all information provided or implied.

STRUCTURAL CONSIDERATIONS

1. Bolted and/or field welded connections shall be subject to special inspection by an independent testing & inspection agency certifying that bolted and/or welded connections meet the minimum requirements of the engineered structural drawings, the governing building code, or as required by the building official; whichever is more restrictive. Inspections shall take place prior to painting any connection.
2. Safety cables, and or secondary fasteners are required for any and all overhead apparatus.
3. Documentation shall be provided to City verifying acceptable results from all required inspections. All items failing inspection shall be repaired or replaced and re-inspected at no additional cost to the City.
4. All components to be painted and otherwise finished for exterior service conditions shall be warranted to be free of rust or other defects for a period of ten years.
5. All welders must be certified, and certificates must be on site and available for inspection as requested.

ELECTRICAL AND DATA

1. The electrical design and installation of all branch circuits by the Contractor shall comply with NEC, state and local codes, as well as City regulations and guidelines.
2. The Contractor shall provide electrical and data one-line diagrams.
3. Electrical design and engineering must be reviewed and approved by the City prior to any electrical work by the Contractor.
4. The Contractor will be responsible for power distribution from the demarcation. Any additional electrical components required for a complete and fully operational system shall be the responsibility of the Contractor.
5. Any additional raceway (conduit, cable tray, J hooks) required to provide a complete system for both power and signal/data shall be furnished and installed by Contractor. Any additional raceway required shall have routing of raceway approved by City prior to installation.
6. The Contractor shall be responsible for termination and final connect of power to all elements. All secondary electrical panels must be clearly marked with names of the branch circuits controlled by each breaker to aid in troubleshooting or isolating problems. All electrical services, disconnects, and breaker panels are to be labeled with what they control and where they are fed from.
7. Contractor shall not use wire nuts or electrical tape for any power or signal connection or any part of the work including internal LED display power jumpers or power connections to signage elements. All connections shall use a proper terminal block and spade terminal, or terminal block and direct connection as required. Covers shall be provided over all high-power terminal blocks to prevent electrical shock.
8. Permanent power distribution from City provided primary power source shall use rigid metal conduit and wire or metal clad (MC) cable. The use of SO cord or rubber jacket type power cables shall not be permitted for permanent installations. Strain relief on all connections shall be per manufacturers recommendations. Contractor shall submit manufacturers strain relief recommendations for all connectors during the submittal process.

9. The Contractor will be responsible for providing stamped electrical drawings. A licensed/registered engineer in the State of California where this project is located shall stamp all electrical drawings.
10. Any equipment not certified as required in the Equipment General Specifications section on page 43. shall require on site certification by a listed testing agency. All cost associated with obtaining on site certification shall be the responsibility of the Contractor. Written proof of certification or equivalent will be required prior to any work being performed on site.

TRAINING

1. The Contractor at its own expense will provide designated City employees' operator and maintenance training.
2. Training will be performed at the site by a qualified technician and shall occur immediately following substantial completion. Operation and Maintenance Manuals shall be provided to City prior to training.
3. The training shall cover the operation, routine maintenance and troubleshooting of the system and control equipment.
4. Training shall consist of at least 24 hours (over the course of 3-5 days) of instruction.
5. Contractor to provide programming of a minimum of twelve (12) DMX Scenes per design concepts provided by City.
6. Contractor will be required to have a technician on site for the first event and continue to be on site for three (3) consecutive problem free events. "Problem-free" constitutes an event where the control system, and any other components installed by the Contractor are without failure during an event. Each successful event will need to be signed off by the City until three (3) consecutive events are achieved.
7. Warranty period will commence at conclusion of the third consecutive successful event and Final Acceptance

TESTING AND ACCEPTANCE

1. Contractor must demonstrate the full capabilities of the provided systems and prove performance meets contractual specifications.
2. Contractor must provide all necessary testing equipment for acceptance.
3. Upon notice from the Contractor of substantial completion and at a time to be mutually agreed upon, the Contractor will arrange for the testing of all operations of the systems comprised in scope of work at the time of substantial completion.
4. Upon completion of initial tests and adjustments, submit written report of tests to the City along with all documents, diagrams, and recorded drawings required herein.
5. Close out Procedures
 - a. Perform any and all "punch-list" work to correct inadequate performance or unacceptable conditions, as determined by the City, at no additional expense to the City.
 - b. Furnish all portable (includes spare parts) equipment to the City along with complete inventory documentation. All portable equipment shall be presented in the original manufacturers packing, complete with all included instructions, miscellaneous manuals, and additional documents.
 - c. Provide new acceptance testing in the same format as initial test reports.

- d. Check, inspect, and if necessary, adjust all systems, equipment, devices, and components specified, at the City's convenience, approximately thirty (30) days after the City's acceptance.
- e. Upon completion of the Work, the City may elect to verify test data as part of acceptance procedure. Provide personnel and equipment, at the convenience of the City, to reasonably demonstrate system performance and to assist with such tests without additional cost to the City.

END OF PART 3 EXECUTION:

PACKAGE III STK22-1847 HOUSE AND GAME LIGHTING

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3. PROJECT SCHEDULE OF EVENTS

The following dates indicate the anticipated project events and milestones for this project. All dates subject to change.

SCHEDULED DATES	PROJECT EVENTS
12/27/2022	RFP notice advertised
1/10/2023	Mandatory Pre-Response Meeting and Site Tour
1/16/2023	Project questions/clarifications due
1/26/2023	Response to questions/clarifications
2/9/2023	Proposal submittals due
	Proposal evaluation
TBD	Interviews conducted, if applicable
TBD	Selection committee recommendation
April 2023	City Council award
May 2023	Project coordination meeting

SCHEDULED DATES	PROJECT MILESTONES
TBD	
TBD	
TBD	

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4. PROPOSAL CONTENT

TECHNICAL PROPOSAL CONTENT

COVER LETTER

1. Provide a separate cover letter and executive summary on your company letterhead for each Package to be submitted.
2. Cover (letter will include the following (3-page limit):
 - a. Address the solicitation and your proposal.
 - b. A brief description of the firm's approach, management techniques, and proposal.
 - c. The significant advantages of selecting the Proponent.
 - d. The name and title of the Proponent's main point of contact, along with the mailing address, the email address, and the telephone number.
 - e. An acknowledgement of receiving any addendum(s) to the RFP document.
 - f. Signature by an officer of the firm authorized to bind the firm to all comments made in the proposal.

REFERENCES

1. Submit three (3) references of previous clients for which you provided similar services of size and scope. Provide the following for each reference:
 - a. Brief overview of the client/project/study
 - b. Project location
 - c. Dates of project
 - d. Project budget
 - e. Name and title of a current contact person, email address, and phone number

FINANCIAL STATEMENT

1. The Proponent and its subcontractors must be able to demonstrate good records of performance and have sufficient financial resources to ensure they can satisfactorily provide the services required herein.
2. Proponent shall submit a full and detailed presentation of the true condition of the Proponent's and its subcontractors' assets, liabilities, and net worth. The report should include a balance sheet and income statement. If the Proponent is a new partnership or joint venture, individual financial statements must be submitted for each general partner or joint venture thereof. If firm is a publicly held corporation, the most current annual report should be submitted.
3. Any Proponent or its subcontractors who, at the time of submission, are involved in ongoing bankruptcies as debtors, or in reorganizations, liquidations, or dissolution proceedings, or if a trustee or receiver has been appointed over all or a substantial portion of the property of the Proponent or subcontractor under federal bankruptcy law or any state insolvency, may be declared non-responsive.

CORPORATE STRUCTURE / ORGANIZATION

1. Describe how your firm is organized, noting major divisions, any parent/holding companies, and any subcontractors. Include a brief history of the firm and all personnel potentially to be involved in the project, including all subcontractors. Designate the Principal in Charge and other key personnel. Include the names, titles, and resumes of the key members of the Proponent's team, especially those who will be assigned to work with the City on this project.
2. Note: During the effective period of an awarded contract, any requested personnel changes on the Proponent's team must be submitted to the City for approval prior to making the changes; except in the case of an emergency. Contact the City as soon as possible after emergency situations that may necessitate changing team members.

PROPONENT QUALIFICATIONS

1. The City seeks to contract with a Proponent for the full performance of the work as described in this RFP and to obtain long-term service and support for all equipment supplied by the selected Proponent. In an effort to ensure the chosen Proponent has the long-term interests of City in mind, the following shall be required in order to submit a Proposal for this project. Failure to submit acceptable responses to all of these requirements MAY disqualify a Proponent from consideration. The City, in its sole discretion, shall reserve the right to waive any or all the requirements listed below.

The Proponent shall:

- a. Provide a list of a minimum of five (5) Professional or Division 1 facilities (facility, contact name, title, address, email and current phone number) where the Proposer has provided equipment and services of equivalent brand, size and scope within the last three (3) years.
- b. Provide a minimum of two (2) Professional or Division 1 facilities (facility, contact name, title, address, email, and current phone number) where the Proposer has provided equipment and services of equivalent brand, size and scope that is at least five (5) years old.
- c. Be required to provide a Letter of Surety from their bonding agent, stating their ability to provide a 100% payment and performance bond if they are the successful Proposer.
- d. Have a direct service employee or certified contractor capable of providing maintenance response within two (1) hour of a call for service., remote network support within (4) hours and one (1) on-site support within 24 hours, if remote support is not successful. In the event the local support is unable to correct the issue, a direct service employee or manufacturer support will be required on-site within 48 hours to correct the issue
- e. Have a minimum of six (6) years of experience in the applicable trade/service.

OTHER QUALIFICATIONS

Describe any additional information that would assist the review team in understanding the proponent team's capacity to complete the project efficiently and effectively.

DELIVERABLES

Describe how your firm intends to achieve the deliverables listed in Section 2.0 Scope of Work.

COST PROPOSAL CONTENT

PROPOSAL FEE

1. Proposers may respond to either **a single Package or combination of Packages** included in this RFP. These sections will be scored and awarded on an independent basis. Incomplete or altered Proposal Forms will be rejected at the discretion of the City of Stockton.
2. The provided Excel Proposal Forms have four sections with separate tabs to be completed in detail (Blue Cells Only). Tab (2.6), Broadcast Proposal Summary will self-populate and allow **Package II STK22-1846** to review prior to submission of Proposal.
 - 1.0 LED Displays Proposal Form
 - 2.1 Broadcast Control Room
 - 2.2 Broadcast Cabling
 - 2.3 Entertainment Lights & Rigging
 - 2.4 Other Items Needed
 - 2.5 Proposal Alternates
 - 2.6 Broadcast Proposal Summary (Do not complete)
 - ~~4.0 LED Lighting Proposal Form~~
 - 3.0 LED Lighting Proposal Form
3. The Proposal Fee should be signed and dated by an authorized representative of the firm.
4. The Proposal Fee is subject to negotiation.

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5. SUBMISSION GUIDELINES

1. When submissions are signed by an agent other than an officer of a corporation or a member of a general partnership, a power of attorney authorizing the signature must be submitted with the submission.
2. The original submission must have wet ink signatures. Modification to a submission after the submittal deadline will not be accepted by the City.
3. ***Submissions should be assembled according to Attachment A – Proposal Submission Order.***
4. The submission should be typewritten on 8½” X 11” white paper.
5. All submissions must be signed with the full name of the Proponent, if an individual; by an authorized general partner, if a partnership; or by an authorized officer, if a corporation.
6. ***Submit one (1) original and four (4) copies of your technical submission. The original should be unbound to allow us to reproduce your submission as needed.***
7. Send to:

Office of the City Clerk First Floor
425 North El Dorado Street
Stockton, CA 95202-1997

8. **Submit one (1) signed original of your cost submission (fee schedule), under separate cover.**

Send to:

Office of the City Clerk First Floor
425 North El Dorado Street
Stockton, CA 95202-1997

9. **Submit one (1) electronic copy of both the technical and cost proposal, along with any electronic media and/or links to media to stocktonbids@stocktonca.gov. Enter into the Subject Line: PUR 23-016 LED VIDEO DISPLAY & BROADCAST LIGHTING UPGRADES.**

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6. SELECTION CRITERIA AND EVALUATION

EVALUATION STEP 1 - TECHNICAL SCORING

1. The City of Stockton uses a Best-Value selection process in obtaining these services. The Evaluation Panel will consist of City of Stockton staff and any other person(s) designated by the City. For the City to properly evaluate the Proponents' qualifications and ability to perform this work, proposals should include, as a minimum, detailed information addressing the following information. Following are the criteria that will be scored.

TECHNICAL PROPOSAL

1. Qualifications of the organization, overall experience, recent conducting similar work – Up to 10 points
2. Approach and strategic fit consistent with the objectives of the City of Stockton – Up to 30 points
3. References – Up to 10 points
4. Quality and clarity of Proposal – Up to 20 points

Item	Maximum Points Available
Qualifications and Experience	10
Approach/Project Workplan	30
References	10
Quality and Clarity of Proposal	20
Total	70

EVALUATION STEP 2 - COST SCORING

1. The Cost Proposal is signed and submitted separately from the Technical Proposal. Costs will be evaluated and scored.
2. Cost Proposal/Fee Schedule – Up to 30 points

Item	Maximum Points Available
Cost Proposal	30
Total	30

EVALUATION STEP 3 -

BEST VALUE SCORING (if Oral Presentations are not necessary)

1. Proponents' Technical Proposal and Cost Proposal scores will be combined.

Item	Maximum Points Available
Technical Proposal	70
Cost Proposal	30
Total	100

**EVALUATION STEP 4 -
ORAL PRESENTATIONS (if necessary)**

1. The Selection Committee may invite one or more Proponents within a competitive range to make oral presentations. If conducted, the Oral Presentation is worth 20 points. During the presentations, Proponents will be asked to present information so the Panel can effectively and objectively analyze all materials and documentation submitted as part of the proposals.
2. Firms are strongly encouraged to bring their assigned personnel who would be working with the City on the project, especially the firm’s daily contact for the City. Sales pitches will not be necessary, so we expressly request that salespeople not attend.
3. Each firm will be supplied with an agenda and a scoring rubric for the Interview, which will be developed at a later time. The City will assign points for each item on the scoring rubric as appropriate.
4. The City will supply the firms with adequate notice OF the agenda, scoring rubric, and any additional preparation recommendations.

**EVALUATION STEP 5 -
BEST VALUE SCORING (with Oral Presentations)**

1. All points combined will determine the winning City. The City will negotiate pricing as needed and then move to the contract development phase.

Item	Maximum Points Available
Technical Proposal	70
Cost Proposal	30
Total	100
Oral Presentation (if necessary)	20
Total	120

2. All said, the Selection Committee will evaluate the proposals as a whole based on, but not limited to, the following:
 - a. Proponent’s approach to provide all services as outlined in the Scope of Work and Technical Specifications;
 - b. Related experience with similar projects, company background and personnel qualifications;
 - c. Proponent’s Fee Schedule - completed and signed under separate, sealed cover;
 - d. Proponent’s Covenant;
 - e. Non-Collusion Affidavit;
 - f. References;
 - g. Financials Review;
 - h. Interview/Presentation, if applicable; and
 - i. Any other criteria as best suits the City of Stockton.

7. CITY REQUIREMENTS

LOCAL BUSINESS PREFERENCE

- Stockton Municipal Code Section 3.68.090 reads as follows:

“Preference shall be given to the purchase of supplies, materials, equipment, and contractual services from local merchants, quality and price being equal. Local merchants who have a physical business location within the boundaries of San Joaquin County, and who have applied for and paid a business license tax and registration fee pursuant to Stockton Municipal Code Title 5, Chapter 5.08, License Taxes, shall be granted two (2) percent bid preference. Local merchants who have a physical business location within the boundaries of the City of Stockton, and who have applied for and paid a business license tax and registration fee pursuant to Stockton Municipal Code Title 5, Chapter 5.08, License Taxes, shall be granted five (5) percent bid preference. This section is intended to provide preference in the award of certain City contracts in order to encourage businesses to move into and expand within the City. (Ord. 2014-03-18- 1601 C.S. § 1; prior code § 3-106.1).”

MANDATORY PRE-SUBMITTAL MEETING AND SITE TOUR

A MANDATORY PRE-SUBMITTAL MEETING is scheduled for TUESDAY, JANUARY 10, 2023, at 10:00 am (Pacific Time) at NORTH END LOADING DOCK located at the Stockton Arena (Attachment A).

Address: Stockton Arena
248 W Fremont St
Stockton, CA 95203

TERMS

It is the intent of the City to award one (1) or more agreements. Duration to include the entirety of all warrantees (expected 10 years).

OTHER GOVERNMENT AGENCIES

1. If mutually agreeable to all parties, the use of any resultant contract/purchase order may be extended to other political subdivisions, municipalities, or tax supported agencies.
2. Such participating governmental bodies shall make purchases in their own name, make payment directly to successful Proponent and be liable directly to the successful Proponent, holding the City of Stockton harmless.

INSURANCE REQUIREMENTS

1. Proponent/Bidder, at Proponent's/Bidder's sole cost and expense and for the full term of the resultant contract or any extension thereof, shall obtain and maintain at least all the insurance requirements listed in attached Exhibit 2.
2. All coverage shall be provided by a carrier authorized to transact business in California and shall be primary. All policies, endorsements, and certificates shall be subject to approval by the Risk Manager of the City to Stockton as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the Risk Manager.
3. Maintenance of proper insurance coverage is a material element of this contract, and failure to maintain or renew coverage or to provide evidence of renewal may be treated as a material breach of contract.

4. The Proponent shall assert that these insurance requirements will be met as part of their proposal response. Failure to comply with these insurance requirements may result in a proposal being deemed unresponsive. Proponent shall satisfy these insurance requirements concurrently with the signing of the contract prior to commencement of work. It is strongly suggested that insurance requirements be reviewed with Proponent's broker to ensure any additional costs are included in the proposal pricing component.

Any questions pertaining to insurance requirements, please contact City of Stockton Risk Services at (209) 937-5037.

APPLICABLE LAW

1. Applicable law shall be governed by the laws of the State of California. Venue shall be proper in the Superior Court of the State of California, County of San Joaquin, Stockton Branch, or, for actions brought in Federal Court, the United States District Court for the Eastern District of California, Sacramento Division.
2. Deliverables must conform with all applicable federal, state, and local laws. Such conformity includes compliance with federal sanctions, and Contractor certifies that it has not and will not engage in prohibited transactions with sanctioned persons or entities.

METHOD OF PAYMENT

Payment will be made within thirty (30) days after invoices are received and accepted by the City Manager. Invoices are to be rendered monthly, unless prescribed differently per contract.

NOTICE TO OUT OF STATE BUSINESS

1. It is the policy of the City of Stockton to pay all applicable California sales/use tax directly to the State Board of Equalization (BOE) pursuant to California Revenue and Taxation Code 7051.3. The City of Stockton will self-accrue all sales/use tax on purchases made from out-of-state business, unless documentation is provided by Proponent evidencing the business is registered with the state of California.
2. Sales and use tax on purchases made by the City of Stockton from all companies located outside California, not registered with the state and whose products are shipped from out of state will be remitted to the BOE directly by the City under permit number SR KHE 28-051174 DP. Please do not include sales/use tax on the invoice that you submit to the City of Stockton.

Questions regarding the City of Stockton's payment of sales/use tax can be directed to the City of Stockton's Procurement Division at (209) 937-8357.

CONFIDENTIALITY

If Proponent believes that portions of a proposal constitute trade secrets or confidential commercial, financial, geological, or geophysical data, then the Proponent must so specify by, at a minimum, stamping in bold red letters the term "CONFIDENTIAL" on that part of the proposal which the Proponent believes to be protected from disclosure. The Proponent must submit in writing specific detailed reasons, including any relevant legal authority, stating why the Proponent believes the material to be confidential or a trade secret. Vague and general claims as to confidentiality will not be accepted. The City will be the sole judge as to whether a claim is general and/or vague in nature. All offers and parts of offers that are not marked as confidential may be automatically considered public information after the contract is awarded. The Proponent is hereby put on notice that the City may consider all or parts of the offer public information under applicable law even though marked confidential.

PROTEST POLICY

Protest and Appeal Procedures. To maintain fairness and impartiality, the City of Stockton has established a solicitation protest policy and procedure.

Protest Procedure

1. All protests must be in writing and stated as a formal protest.
2. A casual inquiry, complaint, or a statement of intent to protest that does not provide the facts and issues and does not comply with the content requirements or deadlines, will not be considered or acted upon as a protest.
3. The protest must contain a complete statement of the basis for the protest and must include all relevant supporting documentation.
4. The solicitation process and procedures, including evaluation criteria, shall not be proper grounds for protest. Concerns related to the solicitation process and procedures, including evaluation criteria, should be raised and addressed, if at all, prior to the bid/proposal due date and time to allow adjustments before evaluation of the solicitation.
5. Protests must be filed with the City's Chief Financial Officer, or designee, at the address listed in the Solicitation Protest FAQ sheet and Procurement Procedure Manual, not later than five (5) days after the date the City mails the Letter of Intent to Award.
6. Deliveries of the protest by hand, mail, email or fax are acceptable.
7. The City is not responsible for lost or misplaced protests, or to assure the protest is received within the protest deadlines
8. The party challenging the award decision to bear the burden of proof of material error to justify invalidation of the proposed award.

Protest Review

1. The Chief Financial Officer or designee shall respond in writing at least generally to each material issue raised in the protest.
2. The Chief Financial Officer's, or designee 's, administrative decision may be appealed in writing to the City Manager no later than (5) business days after the date the Chief Financial Officer's, or designee's, the decision is mailed to the protesting party.
3. The City Manager shall review and decide the appeal based on the grounds and documentation set forth in the original protest to the Chief Financial Officer, or designee.
4. Each party shall bear its own costs and expenses involved in the protest and appeal process, including any subsequent litigation.
5. The City Manager's administrative decision is final. After the City Manager issues the final administrative decision, the time in which judicial review of the decision must be sought shall be governed by California Code of Civil Procedure Section 1094 or as such section may be amended from time to time.
6. If the protested procurement involves state or federal funds, the Chief Financial Officer, or designee, shall give notice to the interested party that he or she has the right to appeal to the appropriate agency, which shall be identified by name and address. An appeal hereunder shall be filed with the appropriate agency within five (5) working days of the dispatch of rejection notices to the interested party(ies).
7. The City may require the protesting party to submit a City Council approved non-refundable protest fee to cover the administrative cost of processing the protest.

8. Bidders, Proponents, and contractors wishing to protest or appeal a procurement or contracting decision by the City must follow the procedures provided by this section. The City will not review protests or appeals that are not submitted in accordance with these provisions and procedures.

A copy of this policy can be requested from the procurement specialist by emailing stocktonbids@stocktonca.gov.

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8. GENERAL REQUIREMENTS, TERMS, AND CONDITIONS

CONSEQUENCE OF PROPOSAL SUBMISSION

1. The City shall not be obligated to respond to any proposal submitted nor be legally bound in any manner by the submission of a proposal.
2. An agreement shall not be binding or valid against the City unless or until it is executed by the City and the Proponent.
3. Statistical information contained in these documents is for informational purposes only. The City shall not be responsible for the accuracy of said data. City reserves the right to increase or decrease the project scope, upon mutual agreement of the parties.

ACCEPTANCE OR REJECTION OF PROPOSAL

1. A proposal shall be prepared and submitted in accordance with the provisions of these RFP instructions and specifications. Any alteration, omission, addition, variance, or limitation of, from, or to a proposal may be sufficient grounds for rejection of the proposal. The City has the right to waive any defects in a proposal if the City chooses to do so. The City may not accept a proposal if any document or item necessary for the proper evaluation of the proposal is incomplete, improperly executed, indefinite, ambiguous, or missing.
2. The City reserves the right to select the successful proposal and negotiate an agreement as to the scope of services, the schedule for performance and duration of the services with Proponent whose proposal is most responsive to the needs of the City. Further, the City reserves the right to reject any and all proposals, or alternate proposals, or waive any informality or irregularity in the proposal as is in the City's best interest.
3. The City reserves the right to reject any and all proposals, or portions thereof, received in response to the RFP or to negotiate separately with any source whatsoever, in any manner necessary, to serve the best interests of the City. Additionally, the City may, for any reason, decide not to award an agreement as a result of this RFP.
4. Non-acceptance of any proposal shall not imply that the proposal was deficient. Rather, non-acceptance of any proposal will mean that another proposal was deemed to be more advantageous to the City or that the City decided not to award an agreement as a result of this RFP.

RIGHT TO CHANGE OR AMEND REQUEST

1. The City reserves the right to change the terms and conditions of this RFP. The City will notify potential Proponent of any material changes by posting on the City's website. No one is authorized to amend any of the RFP requirements in any respect, by an oral statement, or to make any representation or interpretation in conflict with its provisions. If necessary, supplementary information and/or clarifications/questions/answers will be posted on the City's website at www.stocktonca.gov/eddbid.
2. Failure of any Proponent to not have received such information and/or clarifications/questions/answers shall not relieve such Proponent from any obligation under his/her proposal as submitted.
3. Any exceptions to this Proposal shall be clearly stated in writing.

CANCELLATION

The City reserves the right to rescind award of the contract at any time before execution of the contract by both parties if rescission is deemed to be in City's best interest. In no event shall City have any liability for the rescission of award. The Proponent assumes the sole risk and responsibility for all expenses connected with the preparation of its proposal.

EXAMINATION OF PROPOSAL MATERIALS

The submission of a proposal shall be deemed a representation and warranty by the Proponent that it has investigated all aspects of the RFP, that it is aware of the applicable facts pertaining to the RFP process and its procedures and requirements, and that it has read and understands the RFP. No request for modification of the provisions of the proposal shall be considered after its submission on the grounds the Proponent was not fully informed as to any fact or condition. Statistical information which may be contained in the RFP or any addendum is for informational purposes only. The City disclaims any responsibility for this information which may subsequently be determined to be incomplete or inaccurate.

ADDENDA AND INTERPRETATION

1. The City will not be responsible for, nor be bound by, any oral instructions, interpretations, or explanations issued by the City or its representatives. Any request for clarifications, questions, or answers of this RFP shall be made in writing/e-mail and deliverable to:

CITY OF STOCKTON
ATTN: ALEXANDRIA DE LASHMUTT
PROCUREMENT DIVISION
400 E MAIN, 3RD FLOOR STOCKTON,
CA 95202
Stocktonbids@stocktonca.gov

2. Such request for clarifications/questions/answers shall be delivered to the City by 7:00 am (PT), January 16, 2023. Any City response to a request for clarifications/questions/answers will be posted on the City's website at <http://www.stocktonca.gov/eddbid> on or around January 20, 2023 and will become a part of the RFP. The Proponent should await responses to inquiries prior to submitting a proposal.

DISQUALIFICATION

1. Any of the following may be considered cause to disqualify a Proponent without further consideration:
 - a. Evidence of collusion among Proponents;
 - b. Any attempt to improperly influence any member of the Selection Committee;
 - c. Any attempt to communicate in any manner with a City of Stockton elected official during the RFP process will, and shall be, just cause for disqualification/rejection of Proponent's proposal/ Proponent's bid submittal and considered non-responsive.
 - d. A Proponent's default in any operation of a professional services agreement which resulted in termination of that agreement; **and/or**
 - e. Existence of any lawsuit, unresolved contractual claim, or dispute between Proponent and the City.
 - f. No person, firm, or corporation shall be allowed to make or file or be interested in more than one bid for the same supplies, services, or both; provided, however, that subcontract bids to the principal bidders are excluded from the requirements of this section: Section 3.68.120 of the Municipal Code.

CONDITIONS IF WORK IS SUBCONTRACTED

1. The Proponent assumes full responsibility, including insurance and bonding requirements, for the quality and quantity of all work performed. The Proponent shall ensure subcontractors are properly licensed (as applicable), and meet all deliverables, terms, and conditions of the awarded contract.
2. If Proponent's supplier(s) and/or subcontractor's involvement requires the use of a licensed, patented, or proprietary process, the proponent of the process is responsible for assuring that the subcontractor, supplier, and/or operator have been properly authorized to use the process or for providing another process which is comparable to that which is required prior to submission of a proposal.

LICENSING REQUIREMENTS

1. Any professional certifications or licenses that may be required to perform the scope of work will be the sole cost and responsibility of the successful Proponent.
2. A City of Stockton Business license may be required for this project. Please contact the City of Stockton Business License Division at (209) 937-8313.

PREVAILING WAGES AND CONTRACTOR/SUBCONTRACTOR REGISTRATION REQUIREMENTS

Prevailing wage rates may be required for this project according to State and Federal Labor laws. Prevailing wage rates can be found by logging on to: <http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm>

Pursuant to Labor Code Section 1771.1(a): A Contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. It is not a violation of this section for an unregistered Contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the Contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5.

Department of Industrial Relations- Contractor Registration information and web link: <http://www.dir.ca.gov/Public-Works/PublicWorks.html>

In compliance with Senate Bill 854 and the California Labor Code, all Bidders shall include with their Bid proof of registration from the Department of Industrial Relations (DIR) that includes the contractor's Legal Name, Registration Number, License Type/Number, Registration Date and Expiration Date, for every contractor and subcontractor, regardless of tier.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. Contractors must submit their certified payroll records directly to the Division of Labor Standards Enforcement Compliance Monitoring Unit, as well as the City of Stockton.

INDEMNITY AND HOLD HARMLESS

To the fullest extent permitted by law, Contractor shall hold harmless, defend and indemnify City of Stockton and its officers, officials, employees and volunteers from and against any and all liability, loss, damage, expense, costs (including without limitation costs and fees of litigation) of every nature arising out of or in connection with Contractor's performance of work hereunder or its failure to comply with any of its obligations contained in the Agreement, except such loss or damage which was caused by the sole negligence or willful misconduct of the City of Stockton. This obligation is independent of, and shall not in any way be limited by, the minimum Insurance obligations contained in this Agreement. These obligations shall survive the completion or termination of this Agreement.

COMPETITIVE PRICING

Proponent warrants and agrees that each of the charges, economic or product terms or warranties granted pursuant to this Contract are comparable to or better than the equivalent charge, economic or product term or warranty being offered to any similarly situated commercial or other government customer of Proponent. If Proponent enters into any arrangements with another customer of Proponent to provide product under more favorable charges, economic or product terms or warranties, Proponent shall immediately notify City of such change and this Contract shall be deemed amended to incorporate the most favorable charges, economic or product terms or warranties.

AVAILABLE FUNDING

Any contract which results from this RFP will terminate without penalty at the end of the fiscal year in the event funds are not appropriated for the next fiscal year. If funds are appropriated for a portion of the fiscal year, this contract will terminate without penalty, at the end of the term for which funds are appropriated.

CONTRACT BONDS

The successful Proponent will be required to furnish the City of Stockton with a Faithful Performance Bond for 100% of the contract amount and shall be furnished concurrently with the signing of the contract.

The surety which provides the bond(s) must be authorized by the Insurance Commissioner to transact business of insurance in the State of California.

Said bonds shall be executed by the surety and contractor concurrently with the signing of the contract. The form of said bonds must be approved by the appropriate City departments.

All alterations, extension of time, extra and additional work, and other changes authorized by these specifications or any part of the contract shall be made without securing the consent of the surety or sureties on the contract bonds.

TERMINATION FOR CONVENIENCE

The City may terminate the resultant Agreement for convenience at any time by mailing a notice in writing to the Contractor.

AUDITING CHARGES AND SERVICES

The City reserves the right to periodically audit all charges and services made by the successful Proponent to the City for services provided under the contract. Upon request, the Proponent agrees to furnish the City with necessary information and assistance.

CHANGES

The City's Representative has the authority to review and recommend or reject change orders and cost proposals submitted by the Proponent or as recommended by the Proponent's project manager, pursuant to the adopted City of Stockton Standard Specifications.

AWARD

Upon conclusion of the RFP process, a contract may be awarded for the LED video display and broadcast lighting upgrades for the City. The City reserves the right to select the successful Proponent and to negotiate terms of a contract with the Proponent whose proposal is most responsive to the needs of the City. Further, the City reserves the right to reject any and all proposals, or alternate proposals, or waive any informality in the proposal as is in the City's best interest.

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9. PROPOSAL DOCUMENTS/ATTACHMENTS

PROPOSAL COVER PAGE

LED DISPLAY and BROADCAST LIGHTING UPGRADES	
PUR 23-016	
SUBMITTAL DUE: THURSDAY, FEBRUARY 9, 2023 AT 2:00 PM (PT)	
RFP Submittal Mailing, Delivery Address and Electronic Mail	Office of the City Clerk 425 North El Dorado Street, First Floor Stockton, CA, 95202-1997 stocktonbids@stocktonca.gov
Proponent Business Name	
Proponent Contact Name	
Proponent Contact <i>Signature</i>	
Proponent Address	
Proponent Phone Number	
Proponent Email Address	
Department of Industrial Relations ID Number (if applicable)	
Proposal Submitted for Package(s)	<input type="checkbox"/> Package I STK22 1845 <input type="checkbox"/> Package II STK22 1846 <input type="checkbox"/> Package III STK22-1847

ATTACHMENT A – PROPOSAL SUBMISSION ORDER

Proposal Submission Order

Proponents are asked to submit their Proposals in the following order separately for each Package:

Technical Proposal

1. **Completed and signed** Proposal Cover Page (Section 9)
2. **Completed and signed** Proponent's Covenant (Section 9, Attachment B)
3. **Completed, signed, and notarized** Non-Collusion Affidavits that correspond with your business (Section 9, Attachment C)
4. Cover Letter (Section 4)
5. References (Section 4)
6. Financial Statement (Section 4)
7. Corporate Structure, Organization (Section 4)
8. Minimum Qualifications (Section 4)
9. (Optional) Other Qualifications (Section 4)
10. Deliverables (Section 4)
11. Insurance Limits (Section 10, Exhibit 2)
12. Additional information the Proponent chooses to submit (won't factor in evaluation/scoring, but may be considered during negotiations)

Cost Proposal (under separate, sealed cover)

1. **Completed and signed** Cost Proposal (Section 10, Exhibit 3)
 - a. Include the full fee schedule and detailed cost structure for the projects through completion.

[The remainder of this page intentionally left blank.]

ATTACHMENT B – PROPONENT’S COVENANT

In submitting this proposal, as herein described, the Proponent agrees:

1. They have carefully examined the Scope of Work and all other provisions of this document and understand the meaning, intent and requirements of same.
2. They will enter into contract negotiations and furnish the services specified.
3. They have signed and notarized the attached Non-Collusion Affidavit form, whether individual, corporate or partnership. Must be ‘A Jurat’ notarization.
4. They have reviewed all clarifications/questions/answers on the City’s website at: www.stocktonca.gov/adminbid.
5. Confidentiality: Successful Proponent hereby acknowledges that information provided by the City is personal and confidential and shall not be used for any purpose other than the original intent outlined in the Request for Proposal. Breach of confidentiality shall be just cause for immediate termination of contract agreement.

FIRM

ADDRESS

SIGNED BY & DATE

TITLE OR AGENCY

PHONE/FAX NUMBER

EMAIL

ATTACHMENT C – NON-COLLUSION AFFIDAVIT

No. 1 AFFIDAVIT FOR INDIVIDUAL PROPONENT

STATE OF _____, _____)ss.
County of _____)
(insert)

_____ being first duly sworn, deposes and says: That on behalf of any person not named herein; that said Proponent has not colluded, conspired, connived or agreed, directly or indirectly with, or induced or solicited any other bid or person, firm or corporation to put in a sham bid, or that such other person, firm or corporation shall or should refrain from bidding; and has not in any manner sought by collusion to secure to themselves any advantage over or against the City, or any person interested in said improvement, or over any other Proponent.

(Signature Individual Proponent)

Subscribed and sworn to (or affirmed) before me on this _ day of _____, 20__

by _____, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Seal:

Signature _____

No. 2 AFFIDAVIT FOR CORPORATION PROPONENT

STATE OF _____, _____)ss.
County of _____)
(insert)

_____ being first duly sworn, deposes and says: That they are the _____ of _____ a corporation, which corporation is the party making the foregoing bid, that such bid is genuine and not sham or collusive, or made in the interest or behalf of any person not named herein; that said Proponent has not colluded, conspired, connived or agreed, directly or indirectly with, or induced or solicited any other bid or person, firm or corporation to put in a sham bid, or that such other person, firm or corporation shall or should refrain from bidding; and has not in any manner sought by collusion to secure to themselves any advantage over or against the City, or any person interested in said improvement, or over any other Proponent.

(Signature Corporation Proponent)

Subscribed and sworn to (or affirmed) before me on this _ day of _____, 20__ by _____, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Seal:

Signature _____

ATTACHMENT C – NON-COLLUSION AFFIDAVIT (cont.)

No. 3 AFFIDAVIT FOR FIRM, ASSOCIATION, OR CO-PARTNERSHIP

STATE OF _____,
_____)ss. County of _____
_____)
(insert)

_____, each being first duly sworn, depose and say: That they are a member of the firm, association or co-partnership, designated as _____ who is the party making the foregoing bid; that the other partner, or partners, are _____ that such bid is genuine and not sham or collusive, or made in the interest or behalf of any person not named herein; that said Proponent has not colluded, conspired, connived or agreed, directly or indirectly with, or induced or solicited any other bid or person, firm or corporation shall or should refrain from proposing; and has not in any manner sought by collusion to secure to themselves any advantage over or against the City, or any person interested in said improvement, or over any other Proponent.

(Signature)

(Signature)

Subscribed and sworn to (or affirmed) before me on this _ day of _____, 20____
by _____, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.
Seal:

[The remainder of this page intentionally left blank.]

10. PROPOSAL EXHIBITS

Exhibits can be found on the City's Bid Flash website:

<https://www.stocktonca.gov/eddbid>

Exhibit 1 – Sample Contract

1. Any major provision changes to the sample contract should be submitted by the Proponent along with the proposal response. All terms and conditions contained in the sample contract are applicable to this procurement unless revisions are mutually agreed in writing.

Exhibit 2 – Insurance Limits

1. The Risk Services Division develops insurance requirements for all contracts for the City of Stockton. The Division also reviews and approves all bonds and evidence of insurance, including Certificates of Insurance and endorsements for all contracts. Examples include:
 - a. Contracts - Constructions, Professional Services, Supplier, Lease
 - b. Permits - Encroachment, Revocable, Street Closures, Block Parties
 - c. Bonds - Performance, Maintenance, Labor and Materials
 - d. Community Services – Special Events
2. This project is subject to Insurance Requirements for Professional Services.

Exhibit 3 – Cost Proposal

1. **Under separate and sealed envelope**, please provide your Cost Proposal for services for **ten years (10) years after project acceptance** and place the signed PROPOSAL FORMS in Exhibit 3.1 in front.
 - a. Proposers may respond to either a **single Package or combination of Packages** included in this RFP. These sections will be scored and awarded on an independent basis. Incomplete or altered Proposal Forms will be rejected at the discretion of the City of Stockton.
 - b. The provided Excel Proposal Forms have four sections with separate tabs to be completed in detail (Blue Cells Only). Tab (2.6), Broadcast Proposal Summary will self-populate and allow **Package II STK22-1846** to review prior to submission of Proposal.
 - 1.0 LED Displays Proposal Form
 - 2.1 Broadcast Control Room
 - 2.2 Broadcast Cabling
 - 2.3 Entertainment Lights & Rigging
 - 2.4 Other Items Needed
 - 2.5 Proposal Alternates
 - 2.6 Broadcast Proposal Summary (Do not complete)
 - 4.0 LED Lighting Proposal Form
 - 3.0 LED Lighting Proposal Form
2. All Technical Specifications and Product Names contained within the RFP are to be considered the basis for design and the City of Stockton encourages Voluntary Alternates that meet or exceed these minimum technical and performance specifications.

3. The Cost Proposal should be signed and dated by an authorized representative of the firm.
4. The Cost Proposal is subject to negotiation.
5. **A Proposal Form is provided for your convenience with this RFP as Exhibit 3.1.**
 - a. The Cost Proposal should be signed and dated by an authorized representative of the firm. The Cost Proposal is subject to negotiation.

Exhibit 4 – Package I Renderings

STK22-1845 LED Renderings _____ 11.02.22 (8 pages)

Exhibit 5 – Package II Renderings

STK22-1846 Broadcast Drawing Package _____ 10.19.22 (24 pages)

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