TRITON COLLEGE DISTRICT #504

SUBJECT:

Request for Bid

SCHEDULE 2.4 November 19, 2024

The Board of Trustees invites you to submit a proposal on the item(s) listed below.

John Lambrecht

A. Lawbuck

Associate Vice President - Facilities

QUANTITY ARTICLE DESCRIPTION

Cernan Center Projector Replacement – Phase 1 - 2024 - Re Bid

Please visit www.triton.edu/rfp to check for any additional addendums or changes.

<u>RESPONSE OPENING</u>: 1:30 pm, LOCAL TIME, \ Tuesday, November 19, 2024 Learning Resource Center / Building A / ROOM A-300

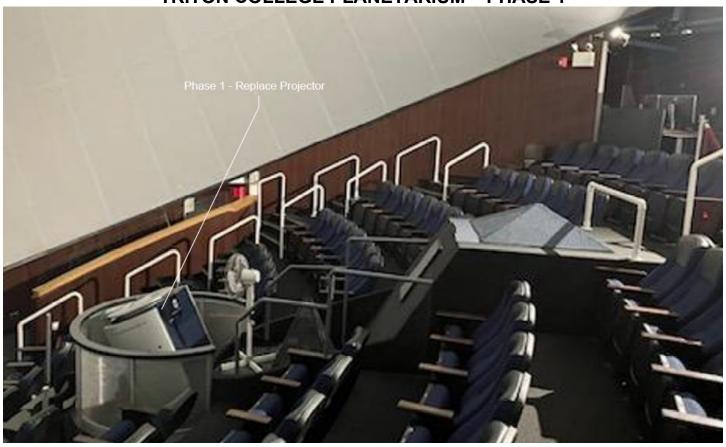
QUESTIONS, PLEASE CONTACT:

Mr. John Lambrecht (708) 779-4048 or email johnlambrecht@triton.edu

This proposal is to be received by TRITON COLLEGE – BUSINESS OFFICE, ROOM A 306 (Learning Resource Center), located at 2000 Fifth Avenue, River Grove, IL, 60171, on or before 1:30 pm, local time, on Tuesday, November 19, 2024. Facsimile or e-mail copies are not permissible.

FIRM:	SIGNATURE:
ADDRESS:	CONTACT:
CITY & STATE:	TELEPHONE:

EXHIBIT A - SPECIFICATIONS CERNAN SPACE CENTER PROJECTOR REPLACEMENT TRITON COLLEGE PLANETARIUM - PHASE 1



OVERVIEW:

After inspecting and measuring the theater components on July 1st, Philip Groce met with Triton College officials on July 2nd, 2024 to determine the scope of work for the Planetarium projector replacement.

- Phase I Scope of work: A. Existing Inner Support Mount is modified to raise projector approx. 5.95" to have proper clearance for cooling fans of the new projector.
 - B. Replace JVC SH4 with new JVC DLA VS4010R.
 - C. Projector adjustment has to be done in field. Raised image is brought down in front via adjustment of leveler feet on mount and vertical lens shift. Contractor is responsible for insuring proper lens focus and image position.

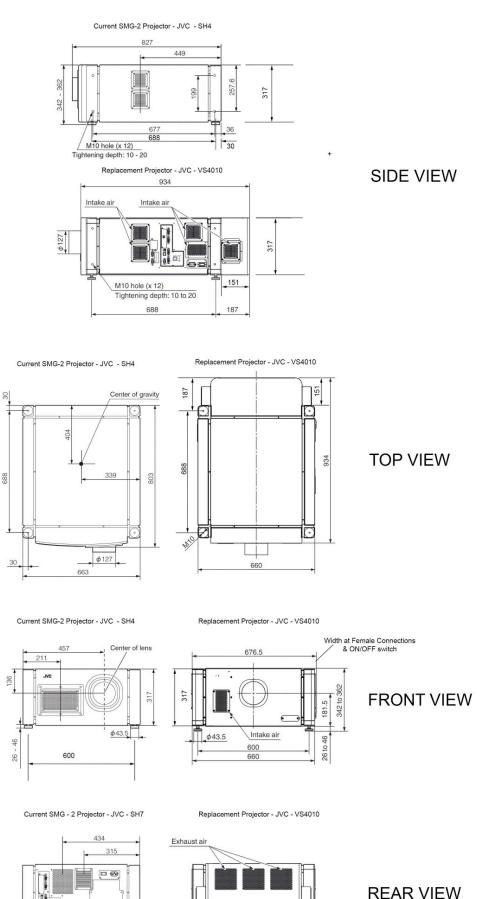
Advantages:

- 1) New Projector will remain at current location
- 2) Image will be nearly twice as bright with greater color saturation.
- 3) Amount of down-time less than 10 days
- 4) Current protective barrier can be reused with no modifications.
- 5) Allows Phase II to implemented at a later time.

Reference Document Detailed Analysis and Scope of Work

A. Existing Inner Support Mount is modified to raise projector approximately 5.95" to have proper clearance for cooling fans of new projector. See size comparisons between JVC SH4 and JVC VS 4010.

- Remove Konica Minolta outer coverings. Re-use existing projector mount and modify as needed so that it works in both the fixed upright position and in the rotated position for access to floor beneath projector. Clean/Repaint as required.
- Replace existing JVC DLA-SH4 projector in SuperMediaglobe II (SMG II) Planetarium system with JVC DLA-DLA VS4010 (R) (Replacement) projector.
- Re-use existing Konica
 Minolta Lens and lens focus
 system. Adjust focus as
 required.
 Align to dome and adjust
 projector system as needed.
 Bolt projector frame base to
 slab.
- Reuse existing protective barrier that surrounds projector system.



- 5) Selected contractor is responsible for installing the new projector, lens and mount system and ensuring that it produces a well-focused fulldome image approximately the same size and projection geometry as the current projector. The projector software control and performance as a planetarium, however, is exclusively the responsibility of Triton College.
- 6) Selected contractor is to pay the expenses and daily billing rate of Philip Groce of Helping Planetariums Succeed, LLC to act as an on-site coordinator for the installation, and to inspect, and test the installation for acceptance by Triton College. Professional fees with the added costs of transportation, hotel, and meals is not to exceed \$5600.

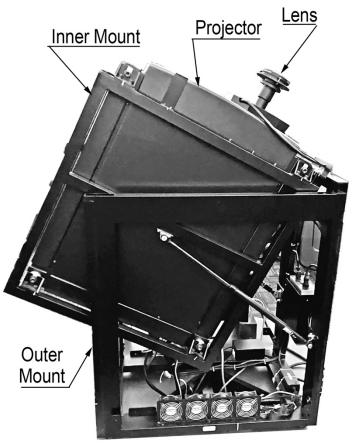
Primary Issues/Obstacles/Solutions:

Please refer to drawing PL-101-1 showing the current conditions and projection geometry.

- 1) The new projector is 5.95" deeper than the current projector. In the upright position the rear of the new projector if placed in the current mount will extend nearly 6" lower. The JVC DLA-DLA VS4010 projector exhausts most of its warm air to the rear of the projector and requires a minimum of 200 mm clear space for proper cooling. For this reason, the contractor shall raise the projector 5.95" to create proper clearance and airflow.
- 2) Please refer to drawing PL-102-2 showing the dimensions and projection geometry of the proposed replacement using the JVC VS 4010 projector with the existing Konica Minolta projection lens. Konica Minolta lists the specifications of this lens as having a 160° ±2° projection angle. On site measurements indicate a projection angle of approximately 162°.

Raising the projector 5.95" in the mount means that the image will also be raised higher.

So that the image meets the new cove lighting trough in front of the audience, the new projector will have to be tilted slightly – approximately 1 degree. This will raise the image at the rear of the theater approximately 4.6". From the audience's point of view, the apparent change in image geometry will be very difficult to perceive, if recognized at all. If Triton proceeds with Phase II, moving the projection system to center will lower the image very close to the current dome springline in all directions.

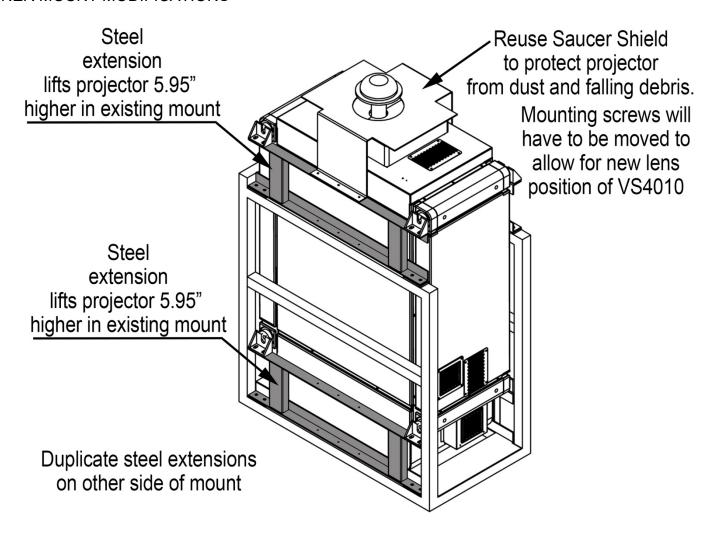


3) The current mount is actually two mounts. The inner mount holds the projector in place and is attached to the outer mount via hinges which allow the inner mount and projector to swing upward to provide easy access to floor mounting bolts, cables, power supplies, and auxiliary fans beneath the projector.

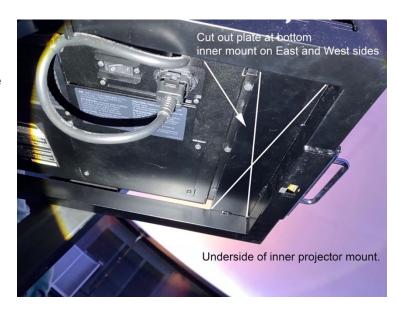
The outer frame attaches to the floor mount frame that tilts the entire projection system approximately 26°as shown in PL 101-1 and PL 101-2.

The inner fame is to modified to raise the projector the required 5.95" Per the following drawing.

INNER MOUNT MODIFICATIONS



4) At the bottom of the of the inner mount, are two steel plates. See photo below. Contractor may have to modify or remove these plates to ensure that the fan box at the back/bottom of the 4010 projector clears this potential impediment.

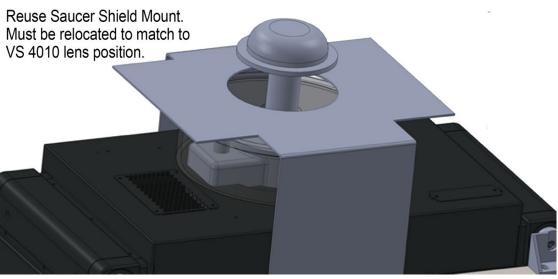


5) The outer mount has leveler feet with the ability to raise any part of the projector up to 60mm, more than enough to tilt the projector to match the dome tilt and to have the bottom of the dome image align perfectly with the top of the dome's cove trough façade. The SH4 projector lens is offset from the center of the projector. To center the image, the mount was off-set 4.94" from the theater center axis. The 4010 projector lens is centered on the projector chassis. This will require the selected contractor to move the entire projector mount system 4.94" back to center as shown in the photo below.



- 6) With the exception of the mount for the round saucer that surrounds the lens, all of the attachment brackets for the outer SuperMediaglobe II (SMG II) panels/covers are to be removed.
- 7) Inspection reveals that the current projector cables are sufficiently long enough to connect with the replacement JVC DLA-VS 4010. No replacements or extensions are required.
- 8) The original base barrier can be reused with no modifications. Please see drawing PL 101-2.
- 9) Protective Lens Housing shall be replaced. Contractor is to relocate the protective saucer mount for reuse with the DLA-VS 4010. Planetarium AV contractor will have to provide a cover to prevent foreign objects from falling into the projector through the lens aperture. Failure to do so could HAVE catastrophic results.

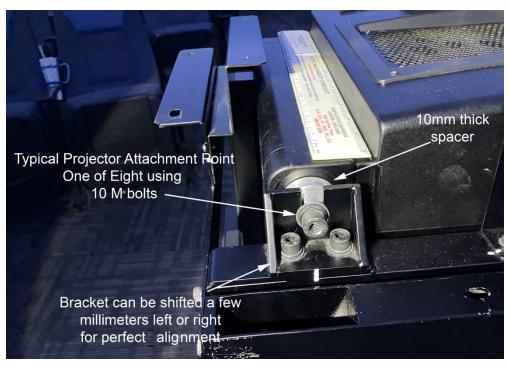




10) There are eight points of attachment to be used for the new projector mount extensions.

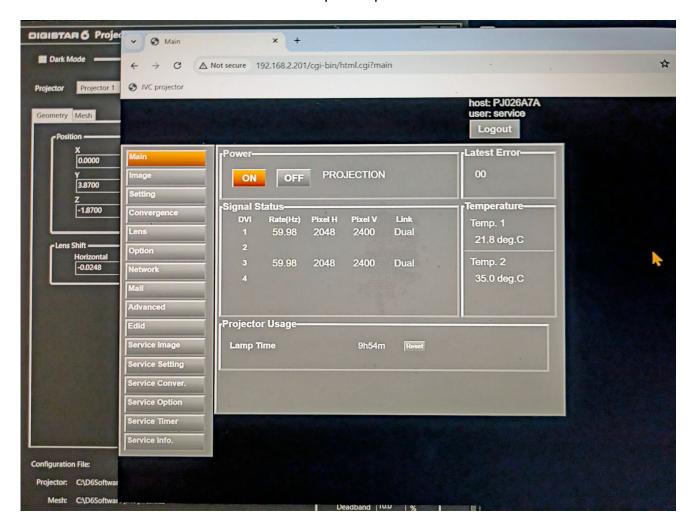
Fortunately, the current SH4 attachment points are nearly identical for the DLA-VS 4010 with differences less than ±2 mm. The points of attachment can be adjusted to account for these variations.

The current attachment points can be used to secure the vertical extensions shown in #3 above. The brackets can be repurposed to secure the projector to the new mounting points.

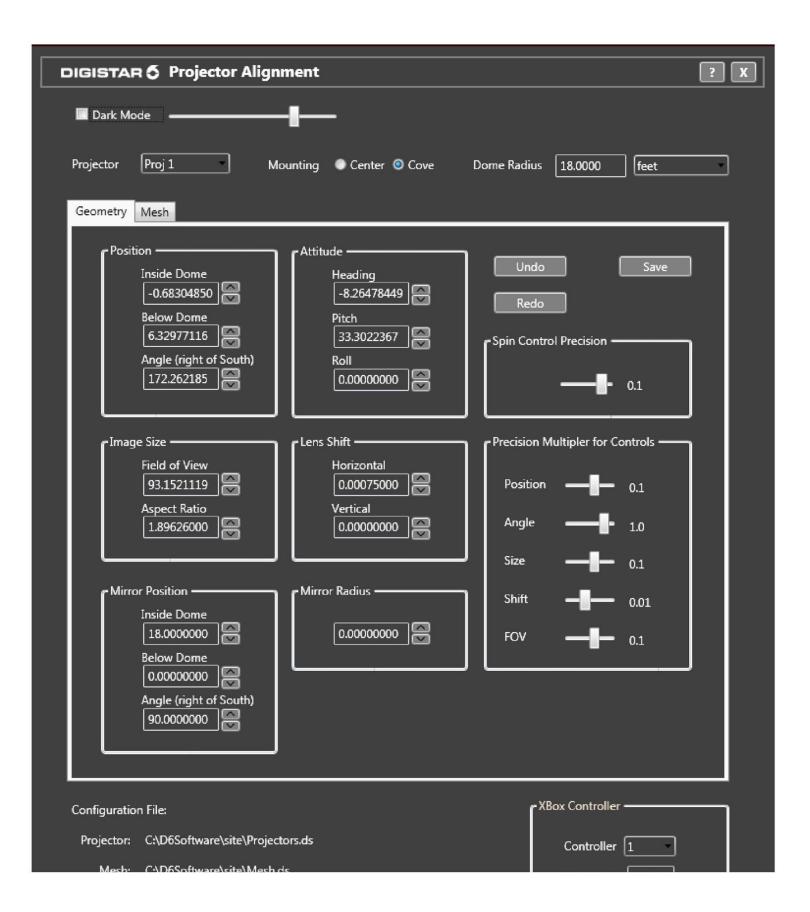




11) The current Digistar 6 Planetarium software contains the JVC projector adjustment GUI, enabling the contractor to adjust the lens offset, convergence, color balance, and gamma settings as well as monitor the external/internal operating temperatures, etc. of the JVC DLA VS 4010. See screen-captured photo below.



- 12) The selected contractor is to test whether the external fans of the projector mount are necessary by monitoring the operating temperature over 2 hour periods with and without external fans. If the internal temperature of the projector without the external fans is within JVC specifications after 2 hours of operation, then the contractor is to disconnect the fans to reduce theater noise levels.
- 13) The Digistar 6 system has image alignment and warping capability. The selected contractor is to use these controls, if required, to adjust the image size/geometry and alignment simulating an equal-azimuth projection onto the 44' projection dome screen. See the following screen-captured image.



- 14) The Konica Minolta lens was designed with the capability to adjust two lens parameters:
 - a) Lens Focus "Value"
 is the focus gear setting and can be executed manually by merely moving the lens
 focus gears by hand.
 - b) The Lens "Angle" is a "factory setting" designed to determine the resolution of the pulse control of the stepper motor.

The factory software instructions from Konica Minolta Planetarium Co. are shown below:

- (1) Enter to service menu by "8264".
- (2) About focus motor, there are "Angle" and "Value".

Ex) "Angle" =
$$-363$$
, "Value" = 57100

- (3) Change the "Value" slightly. (Minimum step is "100".)
 - * Don't change "Angle".
 - $\boldsymbol{\ast}$ There is a caution. Before you change the value, you must memorize factory setting
- (4) After changing the value, click "Registra.." and "Manual Update".
- * There is a caution. Don't change bigly. If you give big variation like "10000", limit sensor may be sensed.
- (5) Executing process(4) repeatedly.
- (6) If you finished fine tuning, check "Only GUI is ended", and execute "Quit".
- (7) Double click "smg2.bat", and boot GUI.
- (8) Enter to service menu by "8264", again.
- (9) Confirm "Value", if it is the value which you set, fine tuning is finished.

When Konica Minolta installed the SMG II, the electronic lens adjustment program was included in the SMG II service software. Unfortunately, there is no equivalent lens adjustment program included with the Digistar 6. Without this adjustment software or an equivalent manual adjustment method, there is no way for the selected contractor to guarantee that the Konica Minolta lens will focus perfectly in the new JVC VS 4010 projector. Pulse control of the lens focus gear produced extremely precise focus.

Manual focus will not respond or change with thermal expansion/contraction. The best that the selected contractor can do is focus by hand (manually moving the focus gear) when the projector has reached maximum/normal operating temperature.

SECTION 119000-1 PHASE I:

REPLACEMENT OF FULLDOME PLANETARIUM PROJECTOR SPECIFICATIONS

GENERAL

PROJECT DESCRIPTION/WORK INCLUDED

A. The project shall include the installation, service training, and technical support for the replacement of the JVC SH4 projector with the JVC VS 4010 projector. Projector specifications follow:







Laser-Phosphor Illumination >20,000 Illuminator Life

6000 ANSI Lumens

Stimulated NVG Compatible

4096x2400 Native Resolution

Native Contrast >10,000:1





Features

- · Solid State Laser-Phosphor Illumination System
- 4096x2400 Pixels, 11% more Vertical Resolution & Pixels than other 4K devices
- 3 Active Matrix D-ILA Devices(1.27" Diag)
- · Light Output: 6000 ANSI Lumens
- · Contrast Ratio 10,000:1 (typical)
- RGB Convergence in 1/10 pixel increments
- Input via 4xDVI-D, Single/Dual Link
- Communication 100BaseT Ethernet, RS-232C, USB
- Noise Level 52.3dB (A) at 39.4"/1m (3.3ft) (32-79°F, 0-26°C)
- Net Weight (less lens): 162lbs/73.5kg

Applications

- Simulation
- · Immersive Displays (such as CAVE)
- Planetariums
- Theme Parks
- · Staging/Rental
- Ultra-high Resolution Command/Control
- · Ultra-high Resolution Medical Imaging
- · Advanced Visualization and 3D Display

Specifications Image Device 3 D-ILA® devices (1.27 inches diagonal) 4096 x 2400, 6.8um Pixel Pitch 0.25um Pixel Gap >93% Aperture Ratio Brightness 6000 ANSI Lumens Display Resolution 4096 x 2400 Pixels (17:10 Aspect Ratio) Contrast Ratio Greater than 10,000:1 (Sequential) Uniformity Greater than 85% 4096x2400, 4096x2160, 3840x2400, 3840x2160 **DVI Input - Supported Resolutions** 2048x1200, 2400x1080, 1920x1080, 1920x1200 1600x1200, 1280x1024, 1024x768, 800x600, 640x480 **DVI Clock** 165MHz (single link), 330MHZ (dual link) Latency <10ms in 4-stripe mode 8 bits maximum single link DVI 12 bits maximum dual link DVI Color Bit Depth I/O Terminals DVI-D (dual link) x 4 Ethemet, RJ45 x 1 USB, Type B (slave) x 1 RS-232C, D-Sub 9 pin (male) x 3 Remote Control Integrated Web Browser Interface RS-232C Fully featured control protocol Projection Lens (optional) GLMS4011SG - 1.1:1 Fixed lens, ±25% V offset GLMS4015SZG - 1.5-1.84:1 Zoom lens, ±50% V and ±25% H offset GLMS4021SZG - 2.15-3.65:1 Zoom lens, ±50% V and ±25% H offset Light source Blu-Escent Laser-Excited Phosphor 2-Step Power Control (2 customizable modes) Adjustable Power 20%-100% (88 steps) Auto Intensity mode capable **Light Source Life** Average 20,000hrs at 100% output AC 100V-120V, 200V-240V, 50/60Hz (single phase) Power Requirement **Power Consumption** 1250 Watts Maximum, 11.5A/5.75A, AC 110V/240V Noise Level (0-26°C, 32-79°F) 52.3dB (A) at 39.4"/1m (3.3ft) <6600ft (2000m) for safe operation <4900ft (1500m) for guaranteed performance Operating Altitude Installation Orientation Vertical ±90 degrees, Horizontal ±90 degrees **Airflow Requirements** 106cfm (3m3) per minute minimum Dimensions (W x H x D) 26.0" x 13.5" x 36.8" (660 x 342 x 934 mm) 162lbs/73.5kg, Without Lens Weight Supplied Accessories Power Cord Instruction manual is available from the JVC site CSA C22.2 No 60950-1-07/ UL60950-1 2nd Approvals IEC60950-1/EN60950-1 2nd (EU) EMC - FCC PART 15 SUBPART B, SECTION 15.109 CLASS A, ICES-003 Issue 5:2012 CLASS A, EN55032 2009 CLASS A, EN61000-3-2 2014, EN61000-3-3, 2013, EN55103-2 2014 E4 (EU) Warranty One-Year Parts and Labor (per JVC Limited Warranty)



GLMS-4015SZG 1.5-1.85:1 Zoom Lens

Accessories



GLMS-4021SZG 2.15-3.65:1 Zoom Lens



PKVS4MS Mechanical Shutter







Graphics Processor/CMS



http://pro.jvc.com/visualization

JVCKENWOOD

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Copyright 2017, JVCKENWOOD Corporation

- B. The instructional documents/drawings for this replacement process are Reference Document: *Detailed Analysis and Scope of Work, and Schematic Level Drawings PL 101-1, and PL 101-2.*
- C. Selected Contractor shall modify, repair, re-paint, and reuse existing projector mount and remount the existing Konica Minolta Planetarium Co. Fisheye Lens.
- D. Selected Contractor shall be an experienced Planetarium equipment contractor and shall have JVC SH4 to JVC DLA VS4010 projector replacement experience using Konica Minolta projector mount and Konica Minolta Planetarium Co. Fisheye Lens.

E. Basic Performance Requirements

- 1. Strip outer mount of all metal covers and their attachment parts, repaint satin black all damaged/scratched projector mount components.
- 2. Modify inner mount to support new JVC DLA VS4010 projector.
- 3. Modify inner mount such that lens cover protects remounted Konica Minolta Fisheye Lens. Modify inner mount to use existing Lens protective ring/saucer
- 4. Adjust lens focus to produce a sharp image.
- 5. Adjust image warp such that projection emulates equidistant projection covering the entire dome.
- 6. Adjust color balance and gamma settings to meet fulldome standards.
- 7. Re-secure projector mount to seating floor area after projector is centered along the theater axis.

Unless otherwise noted, a substituted component or supplier may be proposed and included, but only if approved in advance by the Planetarium Director.

Work included:

The intent of the drawings and Specifications is to provide a complete and operable planetarium system.

- Work Included. Furnish labor, material, services and skilled supervision necessary for the construction, erection, installation, connections, testing, and adjustment of the installed JVC DLA VS 4010. The final product will be complete in all respects ready for use.
- 2. The associated drawings shown in Reference Document: Detailed Analysis and Scope of Work, and Schematic Level Drawings PL 101-1, and PL 101-2 are diagrammatic and are intended to convey the scope of work, indicating intended general arrangement of equipment. Follow drawings and photos in laying out work and verify spaces for installation of materials and equipment based on actual dimensions of equipment furnished.

RELATED DOCUMENTS AND SECTIONS

Please refer to Reference Document: *Detailed Analysis and Scope of Work, and Schematic Level Drawings PL 101-1, and PL 101-2.*

GENERAL REQUIREMENTS

- **A.** Warranty: Furnish a written guarantee for a period of one year from date of acceptance.
- **B.** Document that your firm is an authorized installer or dealer and warrantee station for the equipment offered and maintain a fully-equipped service organization capable of furnishing adequate repair service for the supplied equipment.
- **C.** All of the equipment described in this specification and associated documents shall be furnished and installed by the Authorized Installer or Dealer.
- **D.** All of the equipment described in this specification and associated documents shall be furnished and installed by the Authorized Installer or Dealer of the equipment with the most current software and firmware package available at the time of installation.
- E. Verifying Drawings and Job Conditions:
 - 1. Examine all project drawings and specifications to ensure full awareness of all work required under this Section.
 - 2. Visit the site and verify existing conditions. Where existing conditions differ from drawings and furnished documents, make adjustments and allowances for all necessary equipment to complete all parts of the work. Verify actual dimensions of construction contiguous with Planetarium equipment by field measurements before fabrication.
 - 3. The selected contractor is to conduct a minimum of one video conference with the planetarium staff before installation begins.

WORK IN COOPERATION WITH OTHER TRADES

Examine the drawings and specifications and determine the work to be performed by other trades and services to be provided by Triton College.

Confirm Low voltage conduit/pathways, boxes and power have been provided by Triton College

TESTING AND ADJUSTMENT

- A. Upon completion of the projector replacement work, the contractor shall provide testing and demonstrate in the presence of the owner's inspector that digital video image quality and control parameters are met as stated in the factory data sheets.
- B. Promptly repair or replace all equipment and parts discovered to be in need of correction. Then retest that part of the system and all associated components to correct the error. Perform all such replacement or repair at no additional cost to the Owner.
- C. Selected contractor is to pay the expenses and daily billing rate of Planetarium Consultant Philip Groce of Helping Planetariums Succeed, LLC to act as an on-site Triton College coordinator of the installation, and to inspect, and test the installation for acceptance by Triton College. Mr. Groce will provide an acceptance report. Professional fees with the added costs of transportation, hotel, and meals is not to exceed \$5600.

FINAL INSPECTION AND ACCEPTANCE

A. Final acceptance of the work will be made by the Owner after receipt of approval and recommendation of acceptance from Planetarium Consultant Philip Groce of Helping Planetariums Succeed, LLC.

APPROVALS, EQUALS, SUBSTITUTIONS, NO KNOWN EQUAL

- A. Approvals: Where the words (or similar terms) "approved", "approval", "acceptable", and "acceptance" are used, these refer to the requirement that acceptance by the Owner, the Planetarium Staff, and the Planetarium Design Consultant.
- B. Equal: Where the words (or similar terms) "equal", "approved equal", "equal to", "or equal by", "or equal" and "equivalent" are used, it shall be understood that these words are followed by the expression "in the opinion of the Planetarium staff and/or the Planetarium Consultant." For the purposes of specifying products, the above words shall indicate the same size, made of the same construction materials, manufactured with equivalent life expectancy, having the same aesthetic appearance/style (includes craftsmanship, physical attributes, color and finish), and the same technical performance.

Substitution: For the purposes of specifying products "substitution" shall refer to the submittal of a product not explicitly approved by the Planetarium staff and/or the Planetarium Consultant. Substitutions of specified equipment shall be submitted to the Planetarium staff and/or the Planetarium Consultant. SUBSTUTIONS MUST BE PRE-APPROVED BY THE PLANETARIUM STAFF AND/OR THE PLANETARIUM CONSULTANT. ALL BIDS SHALL BE BASED ON THE PRODUCTS EXACTLY AS SPECIFIED. PRICING FOR EACH APPROVED SUBSTITUTION SHALL BE INCLUDED IN THE BID SUBMITTAL AS A SEPARATE LINE ITEM.

- C. The Contractor warrants that substitutions proposed for specified items will fully perform the functions as specified herein.
- D. Alternates/Alternatives: For the purposes of specifying products, "alternatives/alternates" may be established to enable the Owner (TRITON COLLEGE) to compare costs where alternative materials or methods might be used. An alternate price shall be submitted in addition to the base bid for consideration. If the alternate is deemed acceptable, written authorization will be issued.

INSURANCE REQUIREMENTS

The contractor shall provide and maintain insurance in the amounts \$2M / \$5M and list the following as additional insured on a separate endorsement:

"Triton College, District No. 504, its affiliates, officers, directors, trustees, volunteers, employees, and students."

All such insurance shall not be cancelable without thirty (30) days prior written notice being given to the District.

SERVICE AGREEMENT

Contractor will be required to sign Triton Service Agreement. Sample is shown as attached Exhibit D

DOCUMENTS REQUIRED FOR BID SUBMISSION


- Bidder Identification & Bid Forms
- Bid Bond or Certified Check


SUBMITTALS - PRE-INSTALLATION

A. Shop drawings of the modified projector mount and the JVC DLA VS 4010 projector shall be submitted.

SUBMITTALS - CLOSE-OUT

- A. Subsequent to completing testing, provide to the Owner, and Planetarium consultant, a letter/report documenting the results of the preliminary tests.
- B. Operation and Maintenance Manuals: Provide the Planetarium Staff all manuals as PDF files on a USB drive, named consistently with the contractor's name.
- C. Provide step-by-step operating instructions for the day-to-day use of the replacement projector. Include illustrations and references to individual equipment manuals as necessary.
- D. Equipment List: Include an Excel or other spreadsheet file listing all equipment including connectors and specialty hardware. Include columns for manufacturer, model, physical location, MAC address, IP address, if fixed or DHCP, VLAN, serial number, and cable label identification.





Philip Groce
Helping Planetariums Succeed, LLC
619 Orange Street
Macon, GA 31201
Voice: 478-750-7870
Fax: 478-750-7826
cell: 478-719-0661
email work: hps4075@bellsouth.net

PLANETARIUM
CERNAN EARTH & SPACE CENTER
TRITON COLLEGE, RIVER GROVE, IL

MASTER
PLAN & SECTION

REPLACEMENT OF SMG II/JVC SH4 WITH JVC VS 4010 PROJECTOR

SHEET NUMBER PL 101-2

EXHIBIT "B"

Name of Bidd	ler:	
Address:		
City, State, Zi	p:	
Phone:		Contact:
The undersign	ned acknowledges receipt of:	
PROJECT:	Cernan Space Center Projec	tor Replacement – Phase 1 - 2024 - Re Bid
ADDRESS:	2000 Fifth Avenue, River G	rove, IL 60171
work specification		g documents. Shall be responsible for performing all e bidding documents, including all specifications and
Specifications	and ANY and ALL addendu	ms will be posted to the following website:
www.triton.ed	lu/rfp	

Bid Opening – Tuesday, November 19, 2024, 1:30 P.M., Learning Resource Center, Building A, Room A-300

EXHIBIT "B"

Bidder is responsible for checking website for any issued addendums.

Agrees to:

- A. Hold this bid open until 60 calendar days after the bid opening date.
- B. Accept the provisions of the Instructions to bidders regarding disposition of bid security.
- C. Enter into and execute a contract with Triton when awarded on the basis of this bid, and in connection therewith to:
 - 1. Furnish all bonds and insurance in accord with the bidding document
 - 2. Accomplish the work in accord with the Contract

SITE VISIT:

Contractors are encouraged to visit the site. Contact Mr. John Lambrecht, (708) 779-4048 or johnlambrecht@triton.edu for further information.

BID DEPOSIT:

The undersigned furnished herewith as require	ed, bid security in the amount of 10% of th	e
"Amount Bid" in the form of cashier's check	, certified Check,	_ made
payable to the Owner or bid bond	, naming the College as oblige. (Bidde	r to
check form of deposit furnished). The "Amou	ant Bid" should equal to the combined total	l of
(140) Hours of a Loader with a Box Blade & 2	20 Roadway and Lot Salting Applications:	for the
purpose of bid bond.		

It is understood and agreed that should the undersigned fail to enter into a contract with the College or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the College as liquidated damages and not as a forfeiture. As it is impossible to determine the precise and exact amount of damages the College will sustain, it is agreed that the bid deposit is a fair and equitable estimate of damages.

Bidder shall also be required to comply with State of Illinois laws on preference employment, as outlined in IL. Rev. Stat. CH. 48 269-28-285 "Preference to Citizens on Public Works Projects".

BID WILL BE "NON RESPONSIVE" IF THESE REQUIREMENTS ARE NOT FULFILLED

EXHIBIT "B"

ADDENDA

The undersigned hereby acknowledges receipt of the following. Addenda and has included the provisions of same in this Bid. (List by number and date appearing on each addendum)

Addendum Number	Dated

BID ACCEPTANCE

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the bid opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bid as accepted. He will obtain performance and payment bonds with such surety or sureties as the Owner may approve, cost of which shall be included in the base bid.

ARBITRATION: All references to arbitration in any portion of the contract documents are deleted. All disputes arising under this agreement shall be resolved in the Circuit Court of Cook County.

PAYMENT: Payments will be processed monthly based on completion of services as determined by Owner in the Owner's sole determination.

CHANGE ORDERS: Change orders will not be approved unless prior written authorization is received by the Owner and the policy and procedures of Owner have been strictly adhered to. Owner is a governmental entity which cannot, by law, be obligated to pay for any change not authorized and in compliance with applicable laws, regulations and policies. All requests for changes shall be in writing and accompanied by adequate supporting documentation. Contractor shall, upon request complete any form for a change that may be required or requested by Owner or its architect.

The College reserves the right to award the contract to its best interests, to reject any or all bids, to waive informalities in bidding, and to hold all bids for the bid guarantee period, a period of 60 days after bid opening.

The Undersigned:

EXHIBIT "B"

Having examined the site of the work, and having familiarized himself with local conditions affecting the cost of the work and with all requirements of the specifications and duly issued addendum, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the specifications and such additional work may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and/or install the described services for stated price.

To hold this bid open until 60 calendar days after the bid opening date.

To enter into and execute a contract with the College, if awarded on the basis of this bid, and in connection therewith to:

- 1. Furnish bid security and insurance in accordance
- 2. Accomplish the work in accord with the contract

REPRESENTATIONS AND CERTIFICATIONS

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid proposal. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY: The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

INDEPENDENT PRICE DETERMINATION: The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE: The contractor and each subcontractor shall pay not less than the prevailing rate of hourly wages for Work of a similar character in the locality in which the Work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime Work in the performance of Work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois Revised Statutes, Chapter 48, Section 39s-1 et seq.

Pursuant to Illinois Revised Statutes, Chapter 48, Section 39s-5 the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, Workers and mechanics employed by them and also showing the actual hourly wage paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

EXHIBIT "B"

The contractor and each subcontractor hereby agree, jointly and severally to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Illinois Revised Statutes, Chapter 48, Section 39s-1, et seq., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the Contractor or subcontractor of the pendency of such claim, demand, lien or suit.

BID RIGGING/BID ROTATING

The undersigned is not barred from bidding on this project as a result of a violation of either Section 33E-3 (Bid-rigging) or Section 38E-4 (Bid rotating) under Article 33E of Chapter 38 of the Illinois Revised Statutes.

Contractor Acknowledges:

- 1. That he understands the specifications
- 2. That he has the equipment, technical ability, personnel and facilities to construct the project in accordance with the specifications
- 3. That the specifications are, in his opinion, appropriate and adequate for said project.
- 4. That he will conform to and abide by the decision of the Owner as to selection of Contractor.

Legal Name of person, corporation, partnership, or joint venture	If Corporation	ı, affix Corporate	Seal
Signature and Title	Dated	, 20	

EXHIBIT "B"

	If a Corporation	
NAME	ADDRESS	
	President	
	Secretary	
	Transurar	
Corporation, State of		
	If a Partnership	
NAME OF PARTNERS	ADDRESS	
	If a Joint Venture	
NAME OF MEMBERS	ADDRESS	

EXHIBIT "B"

BIDDER	BY
BIDDER ADDRESS	SIGNATURE
CITY, STATE AND ZIP CODE	TITLE
DATE	BUSINESS TELEPHONE
	FAX
	E-MAIL
BID AMOUNT:	

Envelopes containing bid, bid security and other required documents must be sealed, marked and addressed as follows:

TRITON COLLEGE
Cernan Center Projector Replacement – Phase 1- 2024 - Re Bid
Business Office / Purchasing Department / A 306
2000 Fifth Avenue
River Grove IL 60171

Exhibit D



Start date:	
Maximum value: \$	

	T riton	Agreement Betwe	een 🛚	Triton College	Start date	:	
	College	and Independe	ent (Contractor			
refer (here	red to as "Triton College"), loca inafter referred to as "Independ		20 1 and I	, between Community College ndependent Contractor	District No. 5	504 (herei	nafter
		perform the following services under this Agre					
2.	The location of the services to be 2000 Fifth Ave., River Grove, I	pe performed shall be at the Triton College Call.; or off-campus location,	ampus,	, (build:	ing and room		
3.	Independent Contractor shall p	ll.; or off-campus location,errorm the services on: date(s)	to	and time(s)	PM	D C	PM
4.	Triton College agrees to pay to Indetailed invoices of all work perfect date specified in paragraph three	ndependent Contractor the amount of \$	requeste	, which shall be paid within 60° ed. Invoices shall be submitted with es will delay the issuance of paymen	* days of receip in 10 college bu	usiness da	ys from the latest
5	its officers, agents, trustees and ments, claims, expenses, costs a asserted against Triton College, ing reasonable attorneys fees and Independent Contractor, its	to hold harmless and indemnify Triton College, employees against any losses, damages, judg- and liabilities imposed upon or incurred by or its officers, agents, trustees or employees includd expenses arising out of the acts or omissions of officers, agents or employees under this		Independent Contractor does not d gion, creed, sex, national origin, and handicap or an unfavorable dischar prohibited by law in the hiring, emp nel. Independent Contractor certified Independent Contractor certifies the	estry, age, marit ge from militar ployment, promes that it is an eq at it maintains a	al status, p y service o otion or tr jual opport	physical or mental or any other basis aining of person- tunity employer.
6	Agreement. 5. Independent Contractor shall perform its obligations under this Agreement as an independent contractor and shall not be considered an employee of Triton College for any purpose. Further, Independent Contractor expressly agrees that		15.	 policy in conformance with 775 ILCS 5/2-105. If Independent Contractor has more than 25 employees, Independent Contractor certifies that is provides a drug free workplace in compliance with the Drug Free Workplace Act, 30 ILCS 580/1 et.seq. 			
	benefits that may be available to limited to, SURS, pension, reti coverage. In the event a claim Contractor shall fully indemnify	ees, shall be entitled to or make a claim for any employees of Triton College, including but not rement, health, life or worker's compensation is made for any such benefits, Independent or Triton College, its officers, trustees, employees sponsibilities associated with the claim for ben-	16.	Independent Contractor shall maint limits of \$2,000,000 per occurrence waiver of subrogation and shall nam affiliates, officers, directors, trustees additional insured on a Primary and endorsement.	and \$5,000,000 in Triton College , volunteers, em	in the aggr e, District ployees, ar	regate with a No. 504, its and students as
7		es full responsibility for the payment of all fed- d by Independent Contractor as a result of this	17.	The instruction rendered by the Ind shall not in any manner be used towulty member employed by Triton C	vards attaining 1		
8	. This Agreement is executed by	an authorized representative of Triton College		Time is of the essence of this Agree			
	in the representative's official ca personal liability under this Agr	pacity only and the representative shall have no eement.	19.	The use of the word "it" in this Agrauline, and the singular and plural, it	reement shall in n reference to th	clude the : e parties to	feminine or mas- this Agreement.
9	licenses required by law, if any, a	nts that it possesses all professional or business nd all qualifications necessary to fully perform its	20.	Assignment of this Agreement or a tained herein by Independent Contra	assignment of a actor is strictly	ny right o prohibited	r obligation con-
10	perform in accordance with accep	nce with accepted industry standards and agrees to sted industry standards. : liable for any incidental, indirect, special or conse-	21.	Triton College, as an entity and on b claims any and all governmental imu under Federal or Illinois law, rule o	munity as may b		
10	quential damages, including, but n The entire liability of Triton Colle for breach of this contract shall n	not limited to, loss of use, revenue, profit or savings. ge and Independent Contractor's exclusive remedy not exceed the initial deposit paid to Independent nowledge is an appropriate measure of liquidated	22.		o this Agreemen entire Agreeme ations or unders pect to the subj	ent of the j standing, o ject of this	or written instru- s Agreement. No
11	substantive laws of the State of I	rned by and construed in accordance with the Illinois regardless of any "conflict of laws" pro- of this Agreement, wherever derived, shall be	23.	in writing and signed by both partie Any provision hereof which is const to be illegal or unenforceable shall b	es. trued by a court	of compe	tent jurisdiction

resolved in the Circuit Court of Cook County, Illinois.

12. Independent Contractor, pursuant to 720 ILCS 5/33E-11 as amended, hereby certifies that neither it nor any of its partners, officers or owners has been convicted in the past five years of the offense of bid rigging under 720 ILCS 5/33E-3 as amended; that neither it nor any of its partners, officers or owners has ever been convicted of the offense of bid rotating under Section 720 ILCS 5/33E-4 as amended; and that neither it nor any of its partners, officers or owners have ever been convicted of bribing or attempting to bribe an officer or employee of the State of Illinois, or has made an admission of guilt of such conduct which is a matter of record.

- scope necessary to render such clause legal and enforceable, or if same is incapable of being so reduced, such clause shall be deemed severed here from and shall not affect or impair the operability of any other provision of this Agreement.
- 24. Either party may terminate the Agreement upon written notice to the other party with or without cause. In the event of termination by either party, the balance due shall be determined based upon work performed and approved by the College, in writing, prior to the effective date of termination. In the event of partial work, whether based upon days of work or project completion, any amount due shall be prorated based upon the percentage of the approved work completed prior to the effective date of termination.

							_	-
In	witness whereof,	the parties have	executed this .	Agreement up	on the day and	year first	above	written.

Community College District No. 504 (T	riton College) Representative*	Date	Independent Contractor	
*Contract is not valid unless each page bea	rs initials of contract manager		Signature	
	Administrator		Address	
White-Contract Manager Green-Business Office	Dean			@
Canary-Requisitioner Pink-Vice President	Vice President		Telephone Email address	
Gold-Independent Contractor	Other		Social Security no. or FEIN	Rev. Date 10/19