

SECTION ONE

INTRODUCTION AND KEY DATES

1.01 INTRODUCTION

The Hawaii Department of Transportation, Highways Division, is soliciting proposals for the design, procurement, installation, and testing of a new video wall system for their Traffic Operations Center (TOC), located at the H-3 Halawa portal building of the H-3 Trans-Koolau tunnels, Honolulu, HI 96813.

1.02 CANCELLATION

The RFP may be cancelled and any or all proposals rejected in whole or in part, without liability, when it is determined to be in the best interest of the State.

1.03 RFP SCHEDULE AND SIGNIFICANT DATES

The schedule set out herein represents the State's best estimate of the schedule that will be followed. All times indicated are Hawaii Standard Time (HST). If a component of this schedule, such as "Proposal Due" date is delayed, the rest of the schedule will likely be shifted by the same number of days. The approximate schedule is as follows:

Advertising of Request for Proposals	October 13, 2011
Pre-Proposal Conference	November 2, 2011
Deadline to Submit Written Questions	November 16, 2011
Addendum – Answers to Questions	November 30, 2011
Proposals Due	December 15, 2011 2:00 p.m. (HST)
Discussion with Priority Listed Offerors (if necessary)	January 24 – 26, 2012
Best and Final Offer (if necessary)	February 7, 2012 2:00 p.m. (HST)
Anticipated Contractor Selection	April 2012
Anticipated Contract Start Date (Notice to Proceed)	August 2012

SECTION TWO

BACKGROUND AND SCOPE OF WORK

2.01 PROJECT OVERVIEW AND HISTORY

Existing Conditions

The TOC is a 24/7/365 facility located at the Halawa portal building of the H-3 Trans-Koolau Tunnels, Honolulu, HI 96813. A layout of the existing TOC and neighboring rooms is provided in Exhibit A. The existing video wall has been in operation since 1997, when the TOC was first opened. The current video wall configuration is comprised of twelve (12) 20-inch monitors and six (6) 32-inch monitors, housed in a custom frame.

Exhibit B provides additional as-built information as provided by the current system integrator. These plans are provided as information only and all current conditions are to be confirmed by the Contractor as part of the design and delivery process.

2.02 SCOPE OF WORK

The Chosen Offeror, also referred to as "Contractor," shall design, procure, install, and test a new video wall system, including all necessary hardware, software, and licenses.

The Contractor shall:

- Provide the physical design of the video wall, including material specifications.
- Procure, deliver, and install all hardware and software associated with the video wall, including, but not limited to: projection cubes, pedestals and support structures, video wall control system, and any necessary cabling.
- Provide a five (5) year warranty and annual maintenance services for all hardware and software associated with the video wall, following system acceptance.
- Dismantle and dispose of existing video wall equipment and support structures, as directed by HDOT.
- Conduct training sessions to instruct HDOT staff with the video wall system.
- Meet all of the requirements set out in the Requirements Matrix in Exhibit C.

2.02.01 Task 1: Video Wall System Design

The Contractor shall provide any necessary design services for the video wall system. The Contractor shall identify a project manager who will serve as a point

of contact for HDOT throughout the term of the contract. The Project Manager cannot be replaced without the prior approval of HDOT.

The video wall will consist of eight (8) 50- to 52-inch (diagonally measured) projection cubes arranged in a 2-high by 4-wide array. If an alternate size or configuration can be shown to provide advantages in quality, price, maintainability, or other desirable characteristics, they can be listed as alternates in the proposal.

The desired display technology for the projection cubes is LED lit DLP (Light Emitting Diode, Digital Light Processing projector). If an alternate technology can be shown to provide advantages in performance, price, maintainability, or other desirable characteristics, they can be listed as alternates in the proposal.

Low maintenance, long life cycle and LED life are very important requirements. Proposals shall include a listing of Mean Time Between Failures (MTBF) and average life cycle indication for any consumable, user maintainable, and core components such as:

- LED Array
- DLP/DMD (Digital Micromirror Device)
- Cooling System
- Controller

The lower edge of this video wall shall be at a height of at least 36" above the raised floor.

The center of the video wall shall be aligned with the center of the operator console.

The front edge of the video wall shall be at least 51" away from the front edge of the operator console.

The support structure that holds up the projection cubes shall be provided as part of this contract. The four (4) support structures shall be made of steel or extruded aluminum and connected to each other to provide a sturdy, structurally sound frame designed to provide the load capacity plus 50% imposed by the projection cubes. The support structure shall be securely fastened to the raised floor system or concrete subfloor. The front of the substructure as well as any new surface area around the display shall be covered with a HDOT-approved material and trim that presents a "finished" look and that matches the decor of the operation room.

The design shall include all cabling necessary to complete installation of the system. Offerors should assume that the video wall control system hardware will

be placed in one of the racks in the Equipment Room located directly below the TOC, and as shown in Exhibit B of this RFP.

The Contractor shall submit catalogue cut-sheets, configuration diagrams, shop drawings, installation schedule, and other documentation to HDOT within 45 days of contract award. HDOT will review this material within 10 working days. The Contractor shall not proceed with the fabrication, shipment, or assembly of any components of the video wall, until HDOT has reviewed and approved these submittals.

The system controller shall support a minimum of 32 analog NTSC feeds via composite BNC, 2 digital inputs via DVI and 1 analog RCA input or better to interface to a Cable TV receiver. The video controller shall also support IP video via MPEG-4 and H.264 standards.

Deliverables:

1. Catalogue cut-sheets, configuration diagrams, shop drawings, and installation schedule. Three (3) bound hard copies and electronic PDF version in a CD-ROM.

Measurement.

The Engineer will not measure video wall system design for payment.

Payment.

The Engineer will not pay for accepted video wall system design separately and will consider the cost for accepted video wall system design as included in the contract price of 697.1000 – Video Wall System.

2.02.02 Task 2: Dismantling and Disposal of Existing Video Wall Equipment and Installation of New Video Wall

The Contractor is responsible for dismantling the existing video wall in a safe manner. All attempts should be made to maintain operations during the dismantling process. The Contractor is responsible for maintaining an orderly work area and should limit disruption to TOC staff.

The Contractor is responsible for disposal of all existing video wall equipment and other associated equipment, as directed by HDOT or its representatives. The Contractor shall arrange for removal of the equipment from the TOC and dispose of it in a legal manner.

The Contractor is responsible for the safe transport and delivery of all equipment to the installation site (TOC).

The bid shall include any/all sales tax that must be paid on the purchase of the equipment or other required materials.

The Contractor shall provide all labor to install, adjust, and startup the video wall equipment.

The Contractor is responsible for coordinating their work with HDOT, including work areas, work hours, and points of contact during the installation. A staging area will be provided by HDOT where the Contractor can assemble and test components of the video wall system. The Contractor shall utilize this area to minimize disruption to TOC staff. Dismantling and installation may be done during off-hours, if approved by HDOT or its representatives.

The Contractor shall clearly mark all connecting wires/cabling, indicating source and destination. The labeling shall correspond to the provided documentation.

The Contractor shall replace any carpet tiles affected by the installation with the same or similar, as approved by HDOT, carpet tiles that are currently in the TOC.

Deliverables:

1. Dismantling and disposal of existing video wall equipment.
2. New video wall system.
3. As-built plans and diagrams including the system wiring diagram. One (1) bound hard copy and electronic PDF version in a CD-ROM.
4. System administrator manual. One (1) bound hard copy and electronic PDF version in a CD-ROM.
5. System maintenance manual, which shall include complete sub-component parts listing and diagnostic procedures. Three (3) bound hard copies and electronic PDF version in a CD-ROM.
6. User and operations manual. Three (3) bound hard copies and electronic PDF version in a CD-ROM.

Measurement.

- (A) The Engineer will not measure dismantling and disposal of existing video wall equipment and installation of new video wall for payment.
- (B) The Engineer will only measure additional analog video inputs required and requested by the Engineer on a force account basis in accordance with Subsection 109.06 – Force Account Provisions and Compensation.
- (C) The Engineer will only measure additional digital video inputs required and requested by the Engineer on a force account basis in accordance with Subsection 109.06 – Force Account Provisions and Compensation.

- (D) The Engineer will only measure additional computer inputs required and requested by the Engineer on a force account basis in accordance with Subsection 109.06 – Force Account Provisions and Compensation.

Payment.

The Engineer will not pay for accepted dismantling and disposal of existing video wall equipment and installation of new video wall separately and will consider the cost for accepted dismantling and disposal of existing video wall equipment and installation of new video wall as included in the contract price of 697.1000 – Video Wall System.

Engineer will pay for accepted pay items listed below at contract price per pay unit, as shown in the proposal schedule. Payment will be full compensation for work prescribed in this section and contract documents.

Engineer will pay for each of the following pay items when included in proposal schedule:

Pay Item	Pay Unit
Additional _____ Inputs	Force Account

2.02.03 Task 3: Acceptance Testing

The Contractor shall provide all labor and any special equipment (including any diagnostic and test software, and computers) to test all functions of the video wall equipment.

The Contractor Acceptance Test Plan shall be provided to HDOT twenty (20) working days prior to the acceptance test. HDOT will review this test plan within ten (10) working days. Comments shall be incorporated to the satisfaction of the HDOT. The Contractor shall not proceed with the testing until the test plan has been accepted.

The Contractor shall propose to and coordinate with HDOT the date and time of the Acceptance Testing at least 4 weeks prior to the Acceptance Test. The Acceptance Test may be witnessed by the HDOT's Engineer and/or any other designated representatives.

Failures of the system or of particular components occurring during the acceptance test, and any time during the first 30 days following the acceptance test, shall lead to a repeat of said test (delaying the acceptance of the system) until the failure is corrected to HDOT's satisfaction.

Repetition of the acceptance test procedure to demonstrate that the problem is fixed shall be at no additional cost to HDOT.

Should the acceptance test procedure fail three (3) times without correcting the problem, the Contractor shall provide to HDOT, documentation of the failure and how the contractor proposes to resolve the failure. The acceptance test shall be paused a minimum of 15 days to allow the Contractor time to research, document, and provide the proposed resolution. If additional time is needed, the Contractor shall notify HDOT.

As a minimum, the Contractor shall demonstrate the following functionalities before the system is accepted.

- Simultaneous display of all video and graphic input sources.
- All documented control functions available to the users of the projection system, the audio system, and the video wall control system.
- Any and all maintenance functions that are to be performed by the users including projection cube filter changes, lamp changes, etc.

Deliverables:

1. Acceptance Test Plan. Three (3) bound hard copies and electronic PDF version in a CD-ROM.

Measurement.

The Engineer will not measure acceptance test plan for payment.

Payment.

The Engineer will not pay for accepted acceptance test plan separately and will consider the cost for accepted acceptance test plan as included in the contract price of 697.1000 – Video Wall System.

2.02.04 Task 4: Training

The Contractor shall provide a minimum of three (3) Training Sessions to instruct HDOT staff of the entire video wall system. One (1) training session will be focused on system administration, configuration and maintenance (administrator level training) and two (2) training sessions will be focused on system operation (operator level training). Contractor should assume training may need to be provided during a morning shift and late afternoon/evening shift.

Each of the training sessions shall be designed for up to least ten (10) attendees, which may include TOC staff, HDOT staff, and other invited participants.

The hours of training, date and time, as well as the trainer or trainers shall be coordinated with HDOT at least 1 month prior to the Training Sessions. It is expected that a minimum of 8 hours of training will be available to operators and a minimum of 8 hours for administration and maintenance staff.

The training shall cover the following topics at a minimum:

- System Operation and Administration
- Regular and Preventative Maintenance

Deliverables:

1. Training manuals. Provide a bound hard copy for every participant and an electronic PDF version in a CD-ROM.

Measurement.

The Engineer will not measure training manuals for payment.

Payment.

The Engineer will not pay for accepted training manuals separately and will consider the cost for accepted training manuals as included in the contract price of 697.1000 – Video Wall System.

2.02.05 Task 5: Warranty

A warranty period of five (5) years shall be included for all equipment, parts, shipping, and labor. The warranty period shall begin after system acceptance.

The response time for service calls requiring phone-support shall be less than 4 hours.

The response time for service calls requiring an on-site visit shall be less than 48 hours.

The need for an on-site field service call shall be made by HDOT or its representatives after sufficient discussions with the Contractor's telephone response personnel and after these discussions have resulted in the determination that a problem does exist and that it cannot be resolved in a sufficient manner without a field service call to the site.

The warranty shall include unlimited field service calls to site for urgent care for problems with covered equipment.

All personnel responding to field service calls shall be factory-trained personnel capable of diagnosing and repairing the problem.

The warranty shall include maintenance visits at least every 6 months to recalibrate equipment, exchange faulty components. The last maintenance visit of the warranty period shall include replacement of all LEDs.

The warranty shall allow HDOT employees (who attended the training sessions) to replace consumables such as LEDs and filters as a minimum. The Contractor

shall indicate in the proposal response which consumables can be replaced by HDOT staff.

HDOT shall be listed as the owner of any third party warranty.

Deliverables:

1. Third party warranty information, if applicable.

Measurement.

The Engineer will not measure warranty for payment.

Payment.

The Engineer will not pay for accepted warranty separately and will consider the cost for accepted warranty as included in the contract price of 697.1000 – Video Wall System.

2.03 HAWAII DEPARTMENT OF TRANSPORTATION RESPONSIBILITIES

- (1) Hawaii DOT staff will review all deliverables submitted by the chosen Offeror in a timely manner. In no case, however, shall DOT staff be expected to review deliverables in less than ten business days unless they have given their written agreement to do so prior to submittal of any such deliverable.
- (2) Hawaii DOT will work with the chosen Offerer to accommodate staging at the H-3 facility limited to existing space availability. Site visit will include review of available staging areas.

2.04 COMPLETION TIME

See Proposal page P-1.

SECTION THREE

PROPOSAL FORMAT AND CONTENT

3.01 INTRODUCTION

One of the objectives of this RFP is to make proposals preparation easy and efficient, while giving Offerors ample opportunity to highlight their proposals. The evaluation process must also be manageable and effective. When an Offeror submits a proposal, it shall be considered a complete plan for accomplishing the tasks described in this RFP and any supplemental tasks the Offeror has identified as necessary to successfully complete the obligations outlined in this RFP.

The proposal shall describe in detail the Offeror's ability and availability of services to meet the goals and objectives of this RFP as stated in **Section 2.02 SCOPE OF WORK.**

Proposals must:

1. Include a transmittal letter to confirm that the Offeror shall comply with the requirements, provisions, terms, and conditions specified in this RFP.
2. Include signed Proposal, page P-7 and others, as applicable, with the complete name and address of Offeror's firm and the name, mailing address, telephone number, e-mail address, and fax number of the person the State should contact regarding the Offeror's proposal.
3. Provide all of the information requested in this RFP in the order specified.
4. Be organized into sections, following the exact format using all titles, subtitles, and numbering, with tabs separating each section described below. Each section must be tabbed individually and pages must be numbered. More detail on the content of each of these required sections is in Sections 3.02 through 3.05 of this RFP.
 - a. Transmittal Letter
 - b. Experience and Capabilities
 - c. Work plan
 - d. Pricing
See Proposal Schedule.
 - e. Completed Requirements Matrix (Exhibit C to this RFP)

- f. Exceptions to the RFP.

3.02 EXPERIENCE AND CAPABILITIES

TEAM EXPERIENCE:

Provide a complete client listing for all of Offeror's video wall or related projects. For each Major Subcontractor, provide a complete client listing for that subcontractor's projects that are substantially similar to the work that the subcontractor will be performing on this project. For each project, include the following information: client name; a contact person from the client with personal knowledge of your work for that client; the contact person's phone number and e-mail address; the start and end dates of the project; your firm's role (prime contractor, subcontractor, vendor) on the project; the total value of the project and your firm's contract value (if different); and a brief description of the project.

Indicate the number of years Offeror and each Major Subcontractor has been in business and the number of years Offeror and each Major Subcontractor has performed services specified by this RFP.

KEY PERSONNEL:

Include a list and resumes of Key Personnel who will be working on this project, regardless of whether they work for Offeror or a subcontractor.

SUMMARY OF JUDGMENTS:

Provide a summary listing of judgments or pending lawsuits or actions against; adverse contract actions, including termination(s), suspension, imposition of penalties, or other actions relating to failure to perform or deficiencies in fulfilling contractual obligations against your firm and Major Subcontractors. If none, so state.

FINANCIAL CONDITION:

Provide a general description of the financial condition of Offeror and Major Subcontractors and identify any conditions (e.g. bankruptcy, pending litigation, planned office closures, impending merger) that may impede the Offeror's or any Major Subcontractors' ability to complete the project.

SUPPLEMENTAL INFORMATION:

Supplement the information called for in this Section as needed with additional description, and provide examples of relevant documentation from other, similar projects.

3.03 WORK PLAN

Offeror shall submit a proposal that includes an overall strategy, timeline and plan for the work proposed as well as expected results, potential risks, and

strategies to mitigate those risks. The Work Plan should demonstrate Offeror's understanding of the project and convey to the reviewers how the Offeror will complete all elements of the project in a timely, cost-effective manner. The timeline shall show the duration and dependencies for all major tasks. All assumptions used in the schedule (such as HDOT review periods or other items dependent on HDOT) should be described explicitly.

Offeror shall include a distinct subsection to describe any features or benefits its proposal includes, which exceeds the requirements of this RFP.

3.04 PRICING

Refer to Proposal Schedule.

3.05 REQUIREMENTS MATRIX

Offeror shall complete the Requirements Matrix (Exhibit C) and include it with its proposal. For each requirement, Offeror shall indicate whether its proposed solution meets the requirement; needs modification to meet the requirement; or whether it does not meet the requirement. If the system needs modification to meet the requirement, Offeror shall describe the type of modification and the estimated costs of doing so. If the system does not meet the requirement, Offeror shall describe how it intends to meet the intent of the requirement.

3.06 EXCEPTIONS

Offeror shall list any exceptions taken to the terms, conditions, specifications, or other requirements listed herein. If the Offeror takes no exception, the Offeror shall state as such in its proposal. Offeror shall reference the RFP section where exception is taken, a description of the exception taken, and the proposed alternative, if any.

SECTION FOUR

EVALUATION CRITERIA AND CONTRACTOR SELECTION

Evaluation criteria and the associated points are listed below. The award will be made to the responsible Offeror whose proposal is determined to be the most advantageous to the State based on the evaluation criteria listed in this section.

The total number of points used to score this contract is 100.

- 1) Experience and Capabilities (25)
 - a. Team Experience
 - b. Key Personnel
 - c. Summary Judgments
 - d. Financial Condition
 - e. Supplemental Information
- 2) Work Plan and Requirements Matrix Compliance (35)
- 3) Pricing (30). Points for costs will be allocated using the following formula (where "OC" represents the Offeror's Amount for Comparison of Bids, as shown in the Proposal Schedule, and "LC" represents the lowest Amount for Comparison of Bids of any of the Offerors):

$$(LC \div OC) \times 30$$
- 4) Proposal and Documentation, including clarity, organization, completeness, and readability of the proposal (10)

SECTION FIVE

REQUEST FOR PROPOSAL PROCESS OVERVIEW

5.01 SCOPE

All services provided to the Hawaii Department of Transportation shall be in accordance with this RFP, including the special provisions in this section, and the Scope of Work specified herein.

5.02 RESPONSIBILITY OF OFFERORS

Offeror is advised that if awarded a contract under this solicitation, Offeror shall, upon award of the contract, furnish proof of compliance with the requirements of §103D-310(c), HRS:

1. Chapter 237, tax clearance;
2. Chapter 383, unemployment insurance;
3. Chapter 386, workers' compensation;
4. Chapter 392, temporary disability insurance;
5. Chapter 393, prepaid health care; and
6. Chapter 103D-310(c), Certificate of Good Standing (COGS) for entities doing business in the State.

Refer to the Award of Contract provision herein for instructions on furnishing the documents that are acceptable to the State as proof of compliance with the above-mentioned requirements.

5.03 OFFEROR QUALIFICATIONS

Offeror shall meet all of the qualifications required by this RFP. Failure to meet the qualifications as specified in Section 3.02, Experience and Capabilities, will likely have an adverse affect on Offeror's proposal evaluation.

5.04 TERM OF CONTRACT

Successful Offeror shall be required to enter into a formal written contract to commence work on this project.

See Proposal page P-1 for the completion time.

5.05 CONTACT PERSON

For the purposes of this contract, Mr. Benson Chow , State of Hawaii Department of Transportation Highways Division, Traffic Branch, 601

Kamokila Boulevard, Room 602 Kapolei, Hawaii, 96707, Telephone: (808) 692-7676, Facsimile: (808) 692-7690, or authorized representative, is designated the as the Contact Person for this contract.

5.06 OVERVIEW OF THE RFP PROCESS

- a. The RFP is issued pursuant to Subchapter 6 of HAR Chapter 3-122, implementing HRS Section 103D-303.
- b. The procurement process begins with the issuance of the RFP and the formal response to any written questions or inquiries regarding the RFP. Changes to the RFP will be made only by Addendum.
- c. Proposals shall not be opened publicly, but shall be opened in the presence of two (2) or more procurement officials. The register of proposals and Offerors' proposals shall be open to public inspection after posting of the award.

All proposals and other material submitted by Offerors become the property of the State and may be returned only at the State's option.

- d. The Procurement Officer, or an evaluation committee selected by the Procurement Officer, shall evaluate the proposals in accordance with the evaluation criteria in Section Four. The proposals shall be classified initially as acceptable, potentially acceptable, or unacceptable.
- e. Proposals may be accepted on evaluation without discussion. However, if deemed necessary, prior to entering into discussions, a "priority list" of responsible Offerors submitting acceptable and potentially acceptable proposals shall be generated. The priority list may be limited to a minimum of three responsible Offerors who submitted the highest-ranked proposals. The objective of these discussions is to clarify issues regarding the Offeror's proposal before the BAFO is tendered.
- f. If during discussions there is a need for any substantial clarification or change in the RFP, the RFP shall be amended by an addendum to incorporate such clarification or change. Addenda to the RFP shall be distributed only to priority listed Offerors who submit acceptable or potentially acceptable proposals.

- g. Following any discussions, Priority Listed Offerors will be invited to submit their BAFO, if required. The Procurement Officer or an evaluation committee reserves the right to have additional rounds of discussions with the top three (3) Priority Listed Offerors prior to the submission of the BAFO.
- h. The date and time for Offerors to submit their BAFO, if any, is indicated in Section 1.04, RFP Schedule and Significant Dates. If Offeror does not submit a notice of withdrawal or a BAFO, the Offeror's immediate previous offer shall be construed as its BAFO.
- i. After receipt and evaluation of the BAFOs in accordance with the evaluation criteria in Section Four, the Procurement Officer or an evaluation committee will make its recommendation. The Procurement Officer will award the contract to the Offeror whose proposal is determined to be the most advantageous to the State taking into consideration price and the evaluation factors set forth in Section Four.
- j. The contents of any proposal shall not be disclosed during the review, evaluation, discussion, or negotiation process. Once award notice is posted, all proposals, successful and unsuccessful, become available for public inspection. Those sections that the Offeror and the State agree are confidential and/or proprietary should be identified by the Offerors and shall be excluded from access.
- k. The Procurement Officer or an evaluation committee reserves the right to determine what is in the best interest of the State for purposes of reviewing and evaluating proposals submitted in response to the RFP. The Procurement Officer or an evaluation committee will conduct a comprehensive, fair and impartial evaluation of proposals received in response to the RFP.
- l. The RFP, any addenda issued, and the successful Offeror's proposal shall become a part of the contract. All proposals shall become the property of the State of Hawaii.

5.07 CONFIDENTIAL INFORMATION

If a person believes that any portion of a proposal, offer, specification, protest, or correspondence contains information that should be withheld as confidential, then the Procurement Officer named on the cover of this RFP should be so advised in writing and provided with justification to support confidentiality claim. Price is not considered confidential and will not be withheld.

An Offeror shall request in writing nondisclosure of designated trade secrets or other proprietary data considered confidential. Such data shall accompany the proposal, be clearly marked, and shall be readily separable from the proposal in order to facilitate eventual public inspection of the non-confidential portion of the proposal.

Pursuant to HAR Section 3-122-58, the head of the purchasing agency or designee shall consult with the Attorney General and make a written determination in accordance with HRS Chapter 92F. If the request for confidentiality is denied, such information shall be disclosed as public information, unless the person appeals the denial to the Office of Information Practices in accordance with HRS Section 92F-42(12).

5.08 REQUIRED REVIEW

Offeror shall carefully review this solicitation for defects and questionable or objectionable matter. Comments concerning defects and questionable or objectionable matter **must be made in writing and should be received by the Department of Transportation, Highway Division prior to the deadline for written questions as stated in the RFP Schedule and Significant Dates.** This will allow issuance of any necessary corrections and/or amendments to the RFP. It will help prevent the opening of a defective solicitation and exposure of Offeror's proposal upon which award could not be made. Any exceptions taken to the terms, conditions, specifications, or other requirements listed herein, must be listed in the *Exceptions* section of the Offeror's proposal, if the exception is unresolved by the Proposal Due date.

5.09 QUESTIONS PRIOR TO OPENING OF PROPOSALS

A prospective Offeror may submit a request, in writing, to the Contact person identified in Section 5.05 for clarification or interpretation of any aspect of this request for proposal. If it should appear to a prospective Offeror that the performance of the work under the request for proposal, or any matter relating thereto, is not sufficiently described or explained in this request for proposals, or that any conflict or inconsistency exists between different parts of this proposal is in conflict with Federal, State, or County law, statutes, ordinance, rules, or regulations, then the prospective Offeror shall submit a request for clarification. **No responses will be made to oral inquiries.** Written requests for clarification or interpretation of this request for proposal may be submitted by facsimile number (808) 692-7690 or sent to the following:

State of Hawaii
Department of Transportation
Highways Division/Traffic Branch
601 Kamokila Blvd., Rm. 602
Kapolei, HI 96707

Attn: Benson Chow

5.10 CANCELLATION OF RFP AND PROPOSAL REJECTION

The State reserves the right to cancel this RFP and to reject any and all proposals in whole or in part when it is determined to be in the best interest of the State, pursuant to HAR Section 3-122-96 through 3-122-97.

5.11 PROPOSAL AS PART OF THE CONTRACT

This RFP and all or part of the successful proposal will be incorporated into the contract.

5.12 CONTRACT MODIFICATIONS - UNANTICIPATED AMENDMENTS

During the course of this contract, the Contractor may be required to perform additional work that will be within the general scope of the initial contract. When additional work is required, the Contract Administrator will provide the Contractor a written description of the additional work and request the Contractor to submit a firm time schedule for accomplishing the additional work and a firm price for the additional work.

Changes to the contract may be modified only by written document (contract modification) signed by the Department of Transportation, Highway Division and Contractor personnel authorized to sign contracts on behalf of the Contractor.

The Contractor will not commence additional work until a signed contract modification has been issued.

5.13 PROTEST

A protest shall be submitted in writing within five (5) working days after the aggrieved person knows or should have known of the facts giving rise thereto; provided that a protest based upon the content of the solicitation shall be submitted in writing prior to the date set for receipt of offers. Further provided that a protest of an award or proposed award shall be submitted within five (5) working days after the posting of award of the contract.

The notice of award, if any, resulting from this solicitation shall be posted on the Procurement Reporting System, which is available on the SPO website: <http://www.hawaii.gov/spo2/source/>.

Any protest pursuant to §103D-701, HRS, and Section 3-126-3, HAR, shall be submitted in writing to the Procurement Officer, Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813.

5.14 GOVERNING LAW: COST OF LITIGATION

The validity of this contract and any of its terms or provisions, as well as the rights and duties of the parties to this contract, shall be governed by the laws of the State of Hawaii. Any action at law or equity to enforce or interpret the provisions of this contract shall be brought in a state court or competent jurisdiction in Honolulu, Hawaii.

In case the State shall, without any fault on its part, be made a part to any litigation commenced by or against the Contractor in connection with this contract, the Contractor, shall pay all costs and expenses incurred by or imposed on the State, including attorneys' fees.

5.15 SUBMISSION OF PROPOSAL

The submission of a proposal shall constitute an incontrovertible representation by the Offeror of compliance with every requirement of the RFP, and that the RFP documents are sufficient in scope and detail to indicate and convey reasonable understanding of all terms and conditions of performance of the work.

Before submitting a proposal, each Offeror must:

- (1) Examine the solicitation documents thoroughly. Solicitation documents include this RFP, any attachments, plans referred to herein, and any other relevant documents;
- (2) Become familiar with State, local, and federal laws, statutes, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the work.

5.16 PROPOSAL PREPARATION

- a. **Proposal, page P-7.** Proposals shall be submitted using Offeror's exact legal name as registered with the Department of Commerce and Consumer Affairs, if applicable; and to indicate exact legal name

in the appropriate spaces on Proposal, page P-7. Failure to do so may delay proper execution of the contract.

The authorized signature on the Proposal, page P-7 shall be an original signature in ink. If unsigned or the affixed signature is a facsimile or a photocopy, the offer shall be automatically rejected unless accompanied by other material, containing an original signature, indicating the Offeror's intent to be bound.

- b. **Offer Guaranty.** See Section 102.08 – Proposal Guaranty.
- c. **Tax Liability.** Work to be performed under this solicitation is a business activity taxable under HRS Chapter 237, and if applicable, taxable under HRS Chapter 238. Vendors are advised that they are liable for the Hawaii GET at the current 4% rate and the applicable use tax at the current 1/2% rate. If, however, an Offeror is a person exempt by the HRS from paying the GET and therefore not liable for the taxes on this solicitation, Offeror shall state its tax exempt status and cite the HRS chapter or section allowing the exemption.
- d. **Taxpayer Preference.** For evaluation purposes, pursuant to HRS §103D-1008, the Offeror's tax-exempt price offer submitted in response to an IFB shall be increased by the applicable retail rate of general excise tax and the applicable use tax. Under no circumstance shall the dollar amount of the award include the aforementioned adjustment.
- e. **Original Proposal and Copies to be Submitted.** Offeror shall submit one (1) original proposal marked "ORIGINAL", six (6) **copies** of the original marked "COPY", and one (1) electronic copy, in a format readable by Adobe Reader, on a CD. It is imperative to note that the Offeror submit only one original and the required number of copies. DO NOT SUBMIT MORE THAN ONE ORIGINAL.

Offeror is encouraged to submit typewritten offers. If handwritten, it should be clearly printed. Offeror is cautioned that illegible offers of any item(s) may be automatically rejected to avoid any errors in interpretation by the reviewers during the evaluation process.
- f. Costs for developing the Proposal are solely the responsibility of the Offeror, whether or not any award results from this solicitation. The State of Hawaii will not reimburse such costs.
- g. All proposals become the property of the State of Hawaii.

- h. Copies of documents transmitted by Offerors via facsimile machines shall be limited to the modifications or withdrawal of an offer pursuant to HAR Sections 3-122-108 and 3-122-28, respectively.

5.17 SUBMISSION OF PROPOSAL

Offers shall be received at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813, no later than the date and time stated in Section 1.04, RFP Schedule and Significant Dates, as amended. Timely receipt of offers shall be evidenced by the date and time registered by the Department of Transportation, Contracts Office time stamp clock. Offers received after the deadline shall be returned unopened.

If the Offeror chooses to deliver its offer by United States Postal Service (USPS), please be aware that the USPS does not deliver directly the Department of Transportation, Contracts Office, but to a central mailroom. This may cause a delay in receipt by the Department of Transportation, Contracts Office and the offer may reach the Department of Transportation, Highway Division after the deadline, resulting in automatic rejection.

5.18 PRICING

Pricing shall include labor, materials, supplies, all applicable taxes, **including the GET, currently 4.5%**, and any other costs incurred to provide the specified services.

The pricing shall be the all-inclusive cost, including the GET, to the State and no other costs will be honored.

5.19 ECONOMY OF PRESENTATION

Proposals shall be prepared in a straightforward and concise manner, in a format that is reasonably consistent and appropriate for the purpose. Emphasis will be on completeness and clarity and content. If any additional information is required by the State regarding any aspects of the Offeror's proposal, it shall be provided within four (4) business days.

5.20 PROPOSAL OPENING

Proposals will be opened at the date, time, and place specified in Section One, or as amended. Proposals shall not be opened publicly, but shall be opened in the presence of two or more procurement officials. The register of proposals and Offeror's proposals shall be open to public inspection after posting of the award.

5.21 EVALUATION OF PROPOSALS

The Procurement Officer or an evaluation committee of at least three (3) qualified state employees selected by the Procurement Officer shall evaluate proposals. The evaluation will be based solely on the evaluation criteria set out in Section Four of this RFP.

Proposals shall be classified initially as acceptable, potentially acceptable, or unacceptable. Discussion may be conducted with priority listed Offerors who submit proposals determined to be acceptable or potentially acceptable of being selected for award, but proposals may be accepted without such discussions. The objective of these discussions is to clarify issues regarding the Offeror's proposals before the best and final offer, if necessary.

If numerous acceptable and potentially acceptable proposals are submitted, the evaluation committee may rank the proposals and limit the priority list to three responsive, responsible Offerors who submitted the highest-ranked proposals.

5.22 DISCUSSION WITH PRIORITY LISTED OFFERORS

Priority listed Offerors shall have a discussion with the evaluation committee to discuss their proposal to ensure thorough, mutual understanding. The State in its sole discretion shall schedule the time and location for these discussions, normally within the timeframe indicated in Section 1.04.

5.23 CANCELLATION OF RFP AND PROPOSAL REJECTION

The State reserves the right to cancel this RFP and to reject any and all proposals in whole or in part when it is determined to be in the best interest of the State, pursuant to HAR Section 3-122-96 through 3-122-97.

The State shall not be liable for any costs, expenses, loss of profits or damages whatsoever, incurred by the Offeror in the event this RFP is cancelled or a proposal is rejected.

5.24 ADDITIONAL TERMS AND CONDITIONS

The State reserves the right to add terms and conditions during the contract negotiations. These terms and conditions will be within the scope of the RFP and will not affect the proposal evaluation.

5.25 CONTRACT EXECUTION

Successful Offeror receiving award shall enter into a formal written contract.

No work is to be undertaken by the Contractor prior to the commencement date. The State of Hawaii is not liable for any work, contract, costs, expenses, loss of profits, or any damages whatsoever incurred by the Contractor prior to the official starting date.

5.26 PAYMENT

Payments shall be made to the awarded Contractor based on acceptance of deliverables that meet the expectations of the RFP. The receipt of deliverables shall be due based on the timeline submitted by the Contractor in the proposal, or as amended. The Engineer will make partial payments as follows:

- (A) Pay 10 percent of amount bid for 697.1000 – Video Wall System at acceptance of the video wall system design.
- (B) Pay 5 percent of amount bid for 697.1000 – Video Wall System at acceptance of the dismantling and disposal of existing equipment.
- (C) Pay 30 percent of amount bid for 697.1000 – Video Wall System at acceptance of the procurement and installation of new video wall system.
- (D) Pay 5 percent of amount bid for 697.1000 – Video Wall System at acceptance of the as-built documentation, system administrator manual, system maintenance manual, and user and operations manual.
- (E) Pay 35 percent of amount bid for 697.1000 – Video Wall System at acceptance of the completed acceptance testing.
- (F) Pay 5 percent of amount bid for 697.1000 – Video Wall System at acceptance of the training.
- (G) Pay 2 percent of amount bid for 697.1000 – Video Wall System per year, at annual acceptance of warranty, for a total of 10 percent for 5 years.

HRS Section 103-10, provides that the State shall have thirty (30) calendar days after receipt of invoice or satisfactory completion of contract to make payment. For this reason, the State will reject any offer submitted

with a condition requiring payment within a shorter period. Further, the State will reject any offer submitted with a condition requiring interest payments greater than that allowed by HRS §103-10, as amended.

The State will not recognize any requirement established by the Contractor and communicated to the State after award of the contract, which requires payment within a shorter period or interest payment not in conformance with statute.

5.27 AWARD

Method of Award. The award will be made to the responsive, responsible Offeror whose proposal is determined to be the most advantageous to the State based on the evaluation criteria.

Responsibility of Lowest Responsive Offeror. Reference HRS Chapter 103D-310(c). If compliance documents have not been submitted to the Department of Transportation, Highway Division prior to award, the lowest responsive offeror shall produce documents to the procurement officer to demonstrate compliance with this section.

HRS Chapter 237 tax clearance requirement for award. Instructions are as follows:

Pursuant to HRS §103D-328, lowest responsive Offeror shall be required to submit a tax clearance certificate issued by the Hawaii State Department of Taxation (DOTAX) and the Internal Revenue Service (IRS). The certificate shall have an original green certified copy stamp and shall be valid for six (6) months from the most recent approval stamp date on the certificate. It must be valid on the date it is received by the Department of Transportation, Highway Division.

The tax clearance certificate shall be obtained on the State of Hawaii, DOTAX *TAX CLEARANCE APPLICATION* Form A-6 (Rev. 2003) which is available at the DOTAX and IRS offices in the State of Hawaii or the DOTAX website, and by mail or fax:

DOTAX Website (Forms & Information):
http://www.hawaii.gov/tax/a1_1alphalist.htm

DOTAX Forms by Fax/Mail: (808) 587-7572
1-800-222-7572

Completed tax clearance applications may be mailed, faxed, or submitted in person to the Department of Taxation, Taxpayer Services Branch, to the address listed on the application. Facsimile numbers are:

DOTAX: (808) 587-1488
IRS: (808) 539-1573

The application for the clearance is the responsibility of the Offeror, and must be submitted directly to the DOTAX or IRS and not to the Department of Transportation, Highway Division. However, the tax clearance certificate shall be submitted to the Department of Transportation, Highway Division.

HRS Chapters 383 (Unemployment Insurance), 386 (Workers' Compensation), 392 (Temporary Disability Insurance), and 393 (Prepaid Health Care) requirements for award.

Instructions are as follows:

Pursuant to HRS §103D-310(c), the lowest responsive Offeror shall be required to submit a certificate of compliance issued by the Hawaii State Department of Labor and Industrial Relations (DLIR). The certificate is valid for six (6) months from the date of issue and must be valid on the date it is received by the Department of Transportation, Highway Division. A photocopy of the certificate is acceptable to the Department of Transportation, Highway Division.

The certificate of compliance shall be obtained on the State of Hawaii, DLIR *APPLICATION FOR CERTIFICATE OF COMPLIANCE WITH HAR SECTION 3-122-112*, Form LIR#27 which is available at <http://hawaii.gov/labor/formsall.shtml> or at the neighbor island DLIR District Offices. The DLIR will return the form to the Offeror who in turn shall submit it to the Department of Transportation, Highway Division.

The application for the certificate is the responsibility of the Offeror, and must be submitted directly to the DLIR and not to the Department of Transportation, Highway Division. However, the certificate shall be submitted to the Department of Transportation, Highway Division.

Compliance with Section 103D-310(c), HRS, for an entity doing business in the State. The lowest responsive Offeror shall be required to submit a *CERTIFICATE OF GOOD STANDING* (Certificate) issued by the State of Hawaii Department of Commerce and Consumer Affairs Business Registration Division (BREG). The Certificate is valid for six months from date of issue and must be valid on the date it is received by the Department of Transportation, Highway Division. A photocopy of the certificate is acceptable to the Department of Transportation, Highway Division.

To obtain the Certificate, the Offeror must first be registered with the BREG. A sole proprietorship, however, is not required to register with the BREG, and therefore not required to submit the certificate.

On-line business registration and the Certificate are available at www.BusinessRegistrations.com. To register or to obtain the Certificate by phone, call (808) 586-2727 (M-F 7:45 to 4:30 HST). Offerors are advised that there are costs associated with registering and obtaining the Certificate.

Final Payment Requirements. Contractor is required to submit a tax clearance certificate for final payment on the contract. A tax clearance certificate, not over two months old, with an original green certified copy stamp, must accompany the invoice for final payment on the contract.

In addition to the tax clearance certificate, an original "Certification of Compliance for Final Payment" (SPO Form-22), attached, will be required for final payment. A copy of the Form is also available at www.spo.hawaii.gov. Select "Forms for Vendors/Contractors" menu.

Hawaii Compliance Express. Alternately, instead of separately applying for these paper certificates at the various state agencies, vendors may choose to use the Hawaii Compliance Express (HCE), which allows businesses to register online through a simple wizard interface at <http://vendors.ehawaii.gov> to acquire a "Certificate of Vendor Compliance." The HCE provides current compliance status as of the issuance date. The "Certificate of Vendor Compliance" indicating that vendor's status is compliant with the requirements of HRS Chapter 103D-310(c), shall be accepted for both contracting purposes and final payment. Vendors that elect to use the new HCE services will be required to pay an annual fee of \$15.00 to the Hawaii Information Consortium, LLC (HIC). Vendors choosing not to participate in the HCE program will be required to provide the paper certificates as instructed in the prior sections.

Timely Submission of all Certificates. The above certificates should be applied for and submitted to the Department of Transportation, Highway Division as soon as possible. If a valid certificate is not submitted on a timely basis for award of a contract, an offer otherwise responsive and responsible may not receive the award.

5.28 SUBCONTRACTING

No work or services shall be subcontracted or assigned without the prior written approval of the State. No subcontract shall under any circumstances relieve the Contractor of his/her obligations and liability under this contract with the State. All persons engaged in performing the

work covered by the contract shall be considered employees of the Contractor.

5.29 CONTRACT INVALIDATION

If any provision of this contract is found to be invalid, such invalidation will not be construed to invalidate the entire contract.

5.30 NON-DISCRIMINATION

The Contractor shall comply with all applicable federal and State laws prohibiting discrimination against any person on the grounds of race, color, national origin, religion, creed, sex, age, sexual orientation, marital status, handicap, or arrest and court records in employment and any condition of employment with the Contractor or in participation in the benefits of any program or activity funded in whole or in part by the State.

5.31 CONFLICTS OF INTEREST

The Contractor represents that neither the Contractor, nor any employee or agent of the Contractor, presently has any interest, and promises that no such interest, direct or indirect, shall be acquired, that would or might conflict in any manner or degree with the Contractor's performance of this contract.

5.32 WAIVER

The failure of the State to insist upon the strict compliance with any term, provision or condition of this contract shall not constitute or be deemed to constitute a waiver or relinquishment of the State's right to enforce the same in accordance with this contract.

5.33 SEVERABILITY

In the event that any provision of this contract is declared invalid or unenforceable by a court, such invalidity or unenforceability shall not affect the validity or enforceability of the remaining terms of this contract.

5.34 CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS

It has been determined that funds for this contract have been appropriated by a legislative body.

Therefore, Offeror, if awarded a contract in response to this solicitation, agrees to comply with HRS Section 11-205.5, which states that campaign

contributions are prohibited from a State and county government contractor during the term of the contract if the contractor is paid with funds appropriated by a legislative body.

5.35 ADDITIONS, AMENDMENTS AND CLARIFICATIONS

Approvals. Any agreement arising out of this offer may be subject to the approval of the Department of the Attorney General as to form, and is subject to all further approvals, including the approval of the Governor, required by statute, regulation, rule, order, or other directive.

Cancellation of Solicitations and Rejection of Offers. The solicitation may be cancelled or the offers may be rejected, in whole or in part, when in the best interest of the purchasing agency, as provided in HAR §§3-122-95 through 3-122-97.

Confidentiality of Material. All material given to or made available to the Contractor by virtue of this contract, which is identified as proprietary or confidential information, will be safeguarded by the CONTRACTOR and shall not be disclosed to any individual or organization without the prior written approval of the STATE.

All information, data, or other material provided by the Offeror or the Contractor to the State shall be subject to the Uniform Information Practices Act, HRS chapter 92F. The Offeror shall designate in writing to the Procurement Officer those portions of its unpriced offer or any subsequent submittal that are trade secrets or other proprietary data that the Offeror desires to remain confidential, subject to HAR §3-122-58, in the case of an RFP, or HAR §3-122-30, in the case of an IFB. The Offeror shall state in its written communication to the Procurement Officer, the reason(s) for designating the material as confidential, for example, trade secrets. The Offeror shall submit the material designated as confidential in such manner that the material is readily separable from the offer in order to facilitate inspection of the non-confidential portion of the offer.

Price is not confidential and will not be withheld. In addition, in the case of an IFB, makes and models, catalogue numbers of items offered, deliveries, and terms of payment shall be publicly available at the time of opening regardless of any designation to the contrary.

If a request is made to inspect the confidential material, the inspection shall be subject to written determination by the Department of the Attorney General in accordance with HRS chapter 92F. If it is determined that the material designated as confidential is subject to disclosure, the material shall be open to public inspection, unless the Offeror protests under HAR chapter 3-126. If the request to inspect the confidential material is denied,

the decision may be appealed to the Office of Information Practices in accordance with HRS §92F-15.5.

Nondiscrimination. No person performing work under this Agreement, including any subcontractor, employee, or agency of the Contractor, shall engage in any discrimination that is prohibited by any applicable federal, state, or county law.

Records Retention. The Contractor and any subcontractors shall maintain the books and records that relate to the Agreement and any cost or pricing data for three (3) years from the date of final payment under the Agreement.

Correctional Industries. Goods and services available through Hawaii Correctional Industries (HCI) programs may be the same or similar to those awarded by competitive sealed bids or proposals. Agencies participating in Department of Transportation, Highway Division requirements (price list) contracts may also procure directly from CI and shall not be considered in violation of the terms and conditions of any Department of Transportation, Highway Division contract.

Competency of Offeror. Prospective Offeror must be capable of performing the work for which offers are being called. Either before or after the deadline for an offer, the purchasing agency may require Offeror to submit answers to questions regarding facilities, equipment, experience, personnel, financial status or any other factors relating to the ability of the Offeror to furnish satisfactorily the goods or services being solicited by the STATE. Any such inquiries shall be made and replied to in writing; replies shall be submitted over the signatures of the person who signs the offer. Any Offeror who refuses to answer such inquiries will be considered non-responsive.

Preparation of Offer. An Offeror may submit only one offer in response to a solicitation. If an Offeror submits more than one offer in response to a solicitation, then all such offers shall be rejected. Similarly, an Offeror may submit only one offer for each line item (if any) of a solicitation. If an Offeror submits more than one offer per line item, then all offers for that line item shall be rejected.

"Removal and/or Replacement of Key Personnel. Except as the STATE may otherwise agree, no changes shall be made to the project manager. If, for any reason beyond the reasonable control of the CONTRACTOR, it becomes necessary to replace the project manager, the CONTRACTOR shall provide as a replacement a person of equivalent or better qualifications and approved by STATE.

The CONTRACTOR shall provide a detailed explanation of the circumstances necessitating the proposed substitutions, complete resumes for the proposed substitutes, and any additional information requested by the STATE. Proposed substitutes should have comparable qualifications to those of the persons being replaced. The CONTRACTOR shall notify the STATE within 15 calendar days after the occurrence of any of these events and provide the information required.

If the STATE finds that the project manager has committed serious misconduct or has been charged with having committed a criminal action, or has reasonable cause to be dissatisfied with the performance of the project manager, then the CONTRACTOR shall, at the STATE's written request specifying the grounds therefore, provide as a replacement a person with qualifications and experience acceptable to the STATE.

The STATE will notify the CONTRACTOR within 15 calendar days after receipt of all required information of the decision on substitutions. The CONTRACTOR shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of the project manager."

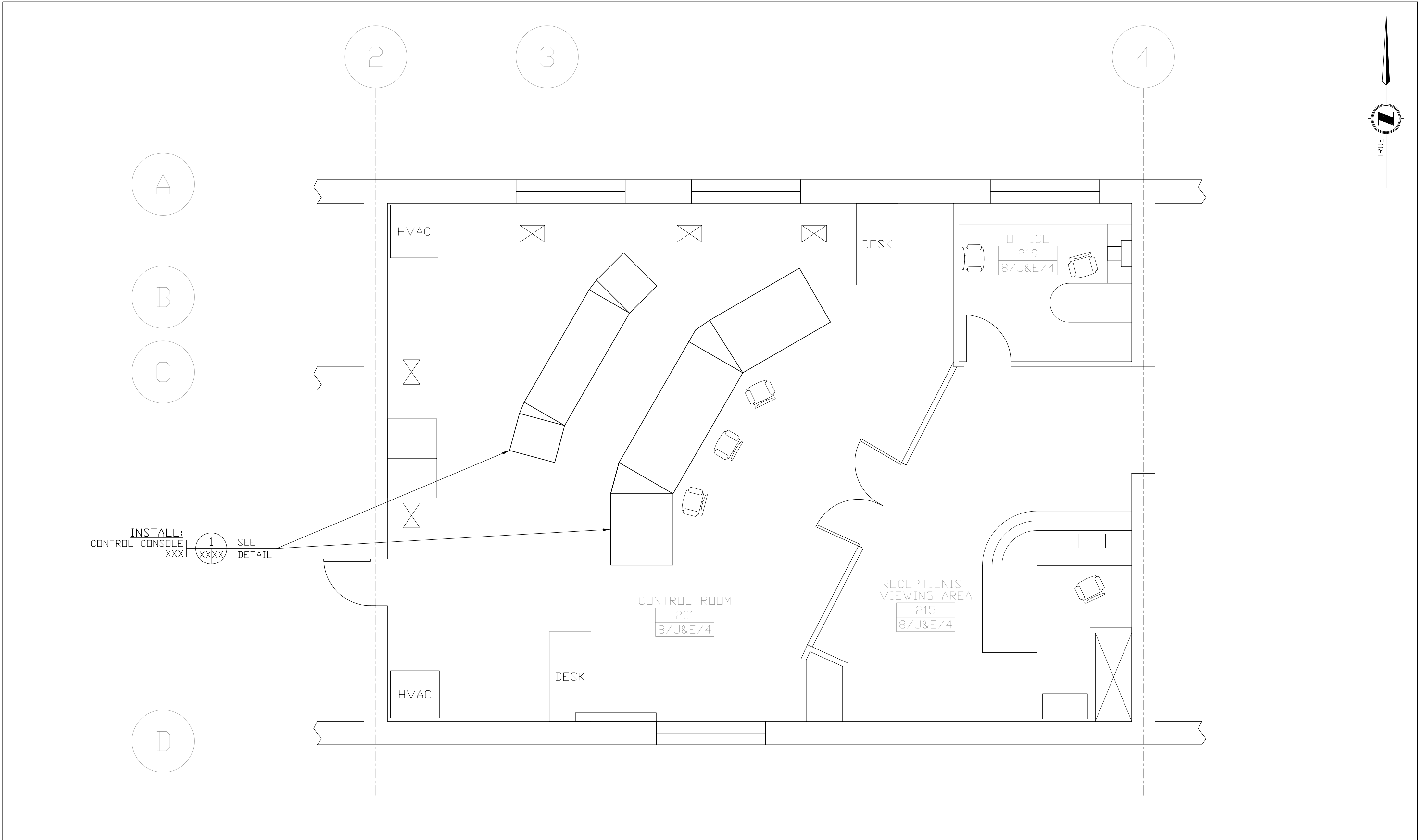
SECTION SIX

EXHIBITS

- Exhibit A: Existing TOC Layout – Plan & Elevation
- Exhibit B: Existing System As-Built
- Exhibit C: Requirements Matrix

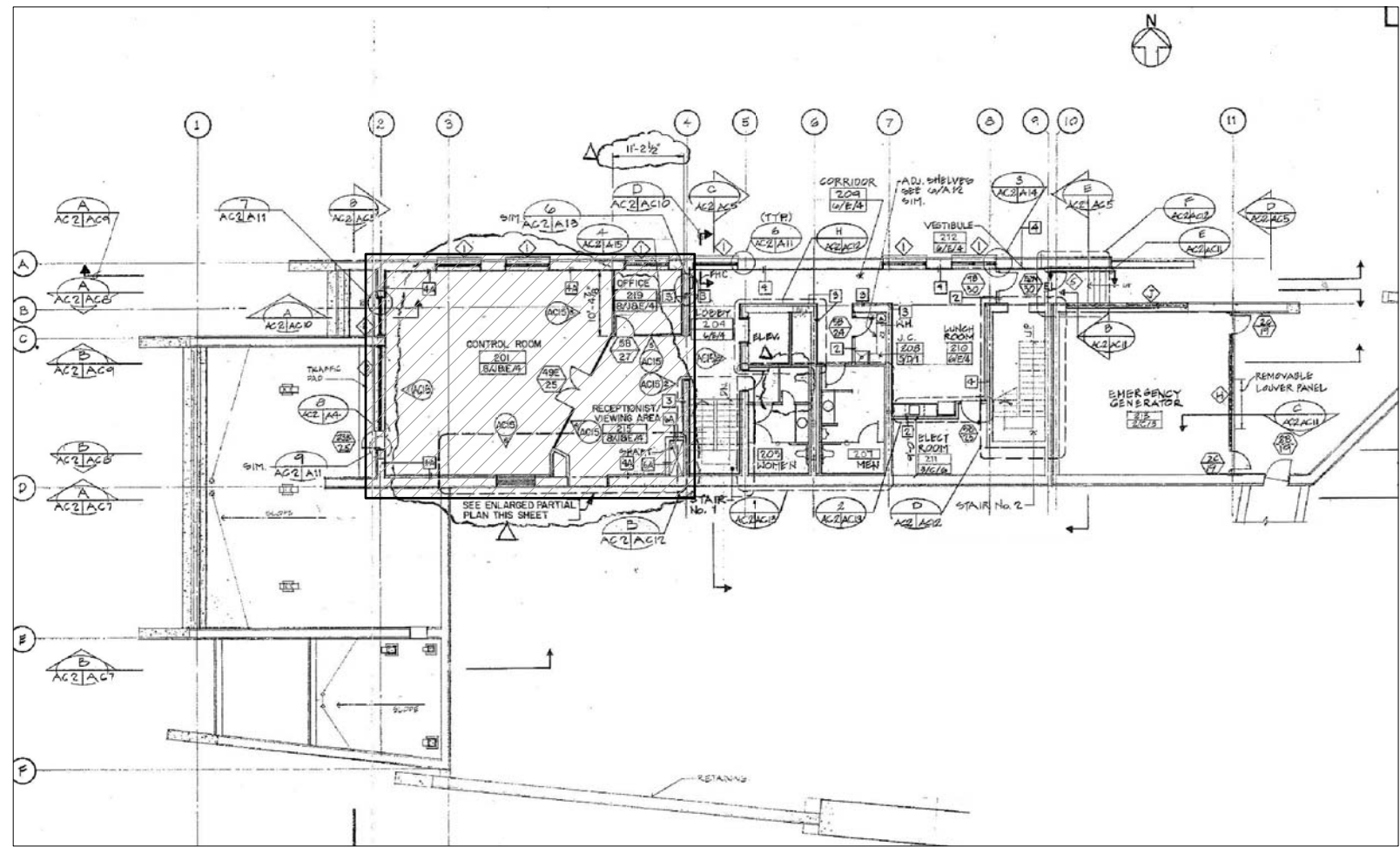
EXHIBIT A
EXISTING TOC LAYOUT – PLAN & ELEVATION

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	XX-XXXX(XXX)	2009	XX	XX



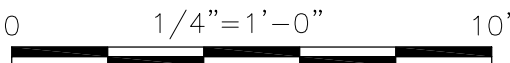
NOTES:

1. SITE PLAN FROM HDOT DRAWING I-H3-1(66) SHEET 325.
2. SCALE IS APPROXIMATE ONLY.



KEY PLAN
N.T.S.

PARTIAL PLAN (LEVEL 2)
SCALE: 1/4" = 1'-0"



ALL EQUIPMENT IS EXISTING
UNLESS NOTED OTHERWISE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN - LEVEL 2
CONTROL ROOM

XXX
XXX
XXX

F.A.P. NO. XX-XXXX(XXX)

SCALE: 1/4"=1'-0" DATE: JUN 2009

SHEET No. E-XX OF XX SHEETS

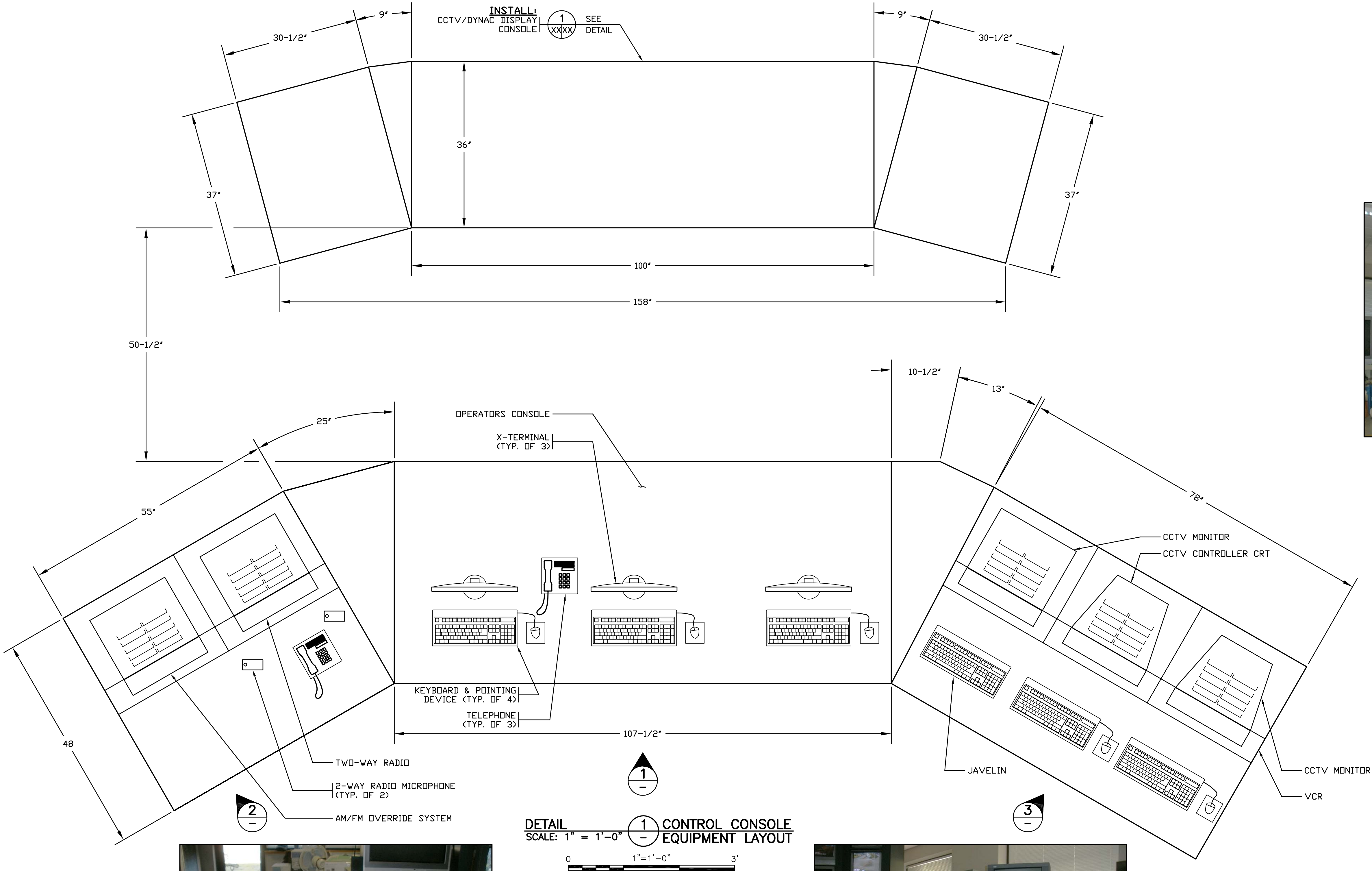
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	XX-XXXX(XXX)	2009	XX	XX



PICTURE 1 VIDEO WALL
N.T.S.

- NOTES:
- SITE PLAN FROM HDOT DRAWING I-H3-1(66) SHEET 325.
 - SCALE IS APPROXIMATE ONLY.



PICTURE 2 LEFT SIDE CONSOLE
N.T.S.



PICTURE 3 RIGHT SIDE CONSOLE
N.T.S.

ALL EQUIPMENT IS EXISTING
UNLESS NOTED OTHERWISE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL - CONTROL CONSOLE
CONTROL ROOM

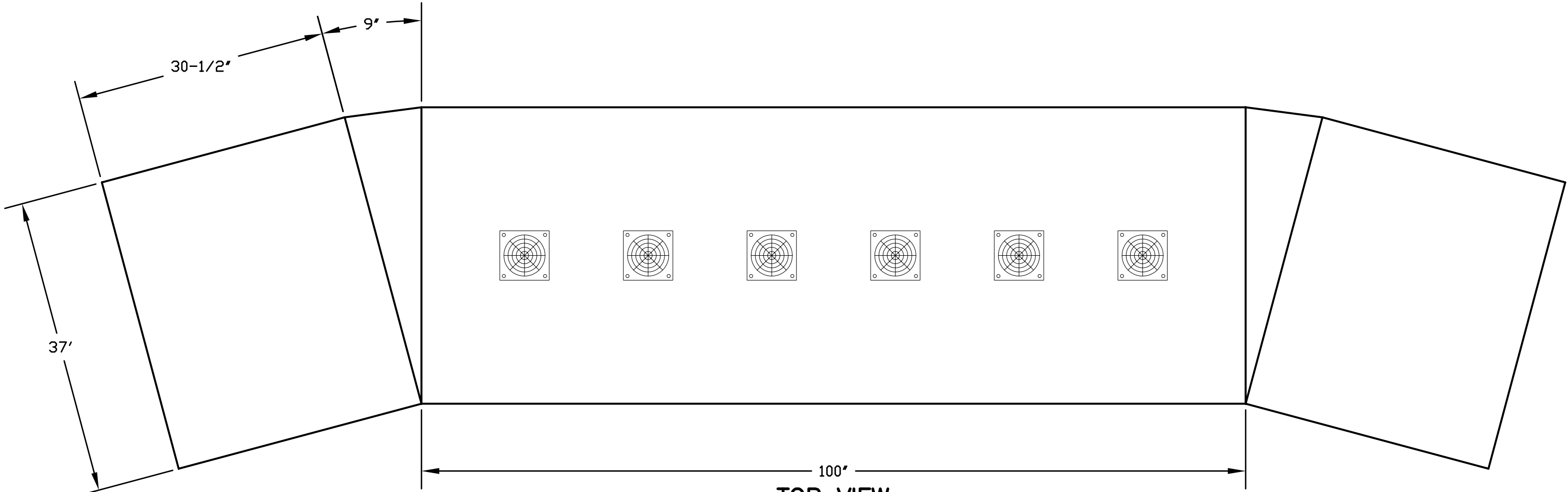
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F.A.P. NO. XX-XXXX(XXX)

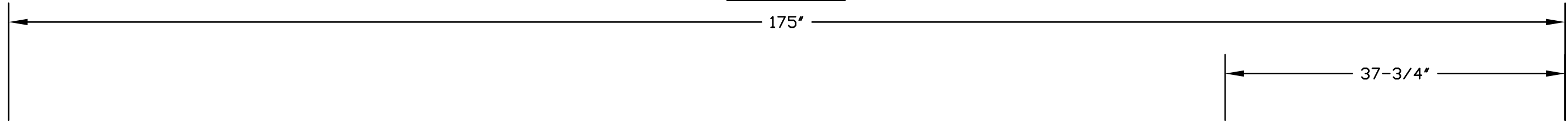
SCALE: 1"=1'-0" DATE: JUN 2009

SHEET No. E-XX OF XX SHEETS

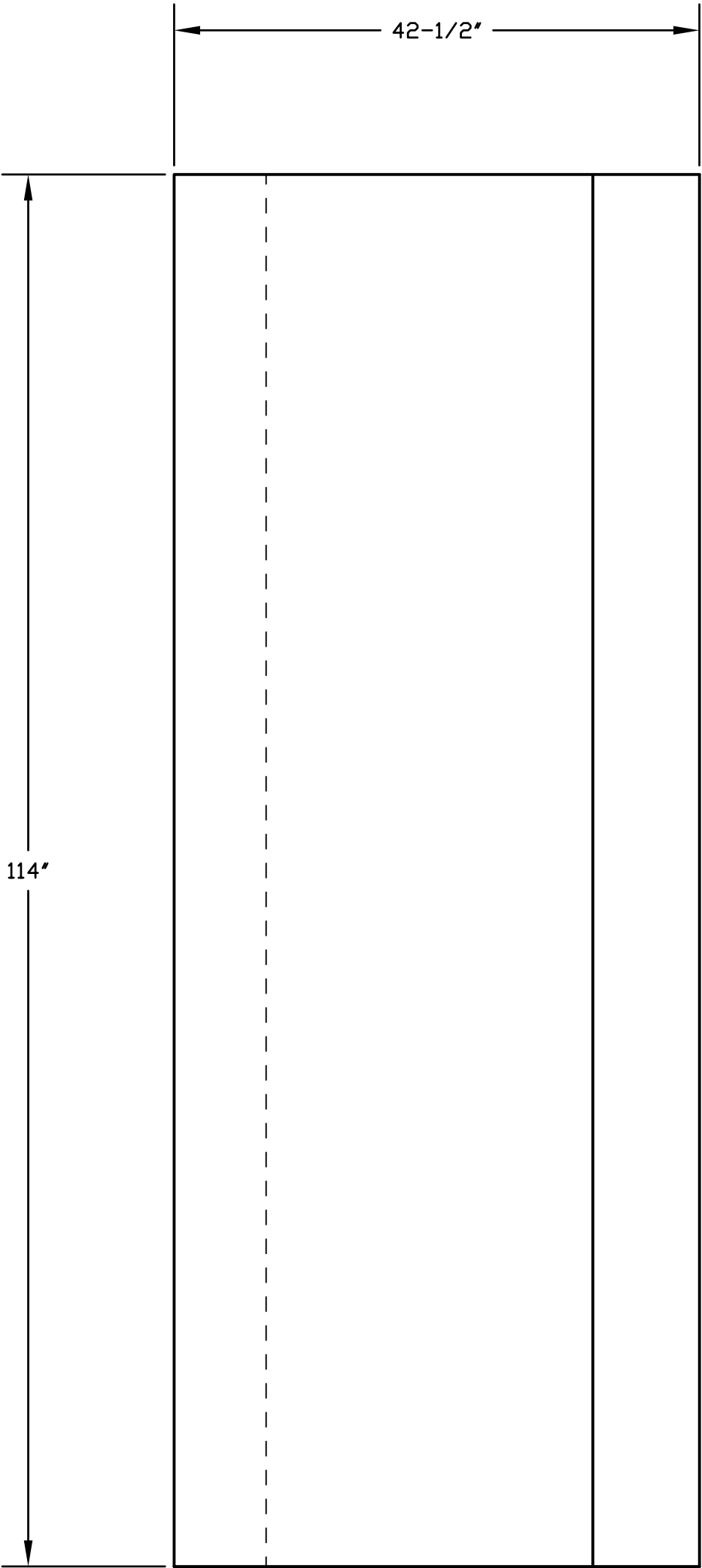
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	XX-XXXX(XXX)	2009	XX	XX



TOP VIEW



FRONT VIEW



SIDE VIEW

- NOTES:**
- SITE PLAN FROM HDOT DRAWING I-H3-1(66) SHEET 325.
 - SCALE IS APPROXIMATE ONLY.

ALL EQUIPMENT IS EXISTING
UNLESS NOTED OTHERWISE

DETAIL SCALE: 1" = 1'-0" **1** CONTROL CONSOLE EQUIPMENT LAYOUT 1" = 1'-0" 3'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL - DISPLAY CONSOLE
CONTROL ROOM

XXX
XXX
XXX

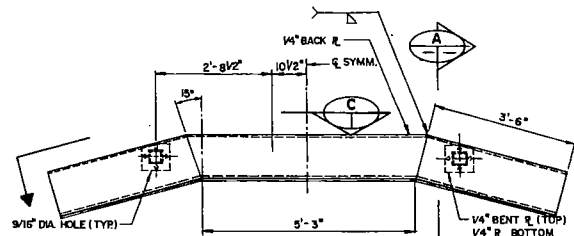
F.A.P. NO. XX-XXXX(XXX)

SCALE: 1"=1'-0" DATE: JUN 2009

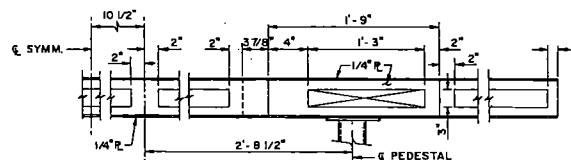
SHEET No. E-XX OF XX SHEETS

EXHIBIT B
Existing System As-Builts

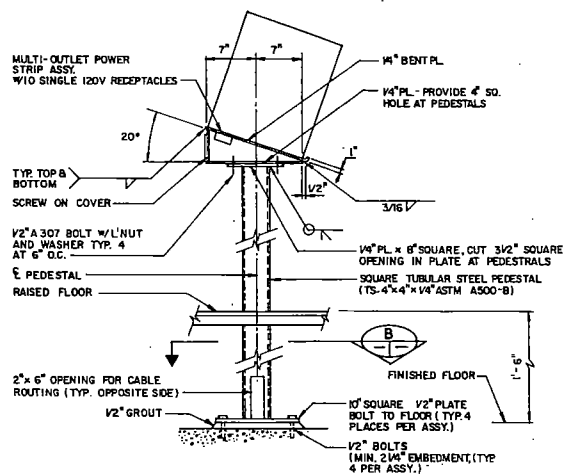
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H3-1(65)	1992	226	309



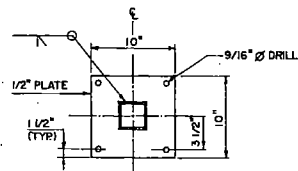
VIDEO MONITOR RACK - PLAN



SECTION C



SECTION A



SECTION B

DATE	BY	CHECKED	DATE	BY	CHECKED
12/22/91	W. J. JONES	W. J. JONES	12/22/91	W. J. JONES	W. J. JONES



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

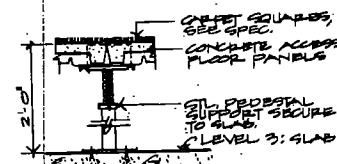
Stanley M. A. F. Ching

DATE	REVISION

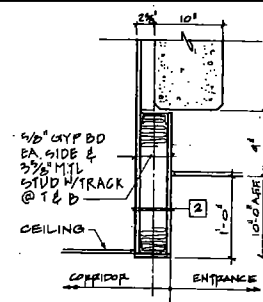
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
VIDEO MONITOR RACK
LAYOUT & DETAILS
CONTROL BUILDING
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. 1-H3-1 (65)

SCALE: NONE DATE: DEC 1991
SHEET NO. TC7 OF 7 SHEETS

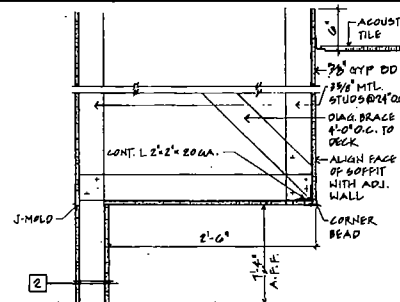
9 HANGER WIRE @ 3'-0" O.C.
 1 1/2" CHANNELS @ 3'-0" O.C.
 1/2" CHANNELS @ 19 1/2" O.C.
 MTL. LATH & FELT PAPER
 STUCCO
 FRP 1' ALUM. F. MOLD PPM-19-100
 FRP 2' ALUM. VENT MOLD PPS-19-V-200



ACCESS FLOOR
SCALE: 1/2" = 1'-0"



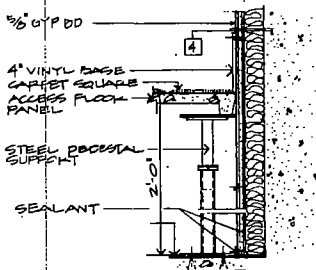
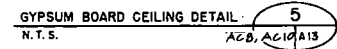
DROPPED SOFFIT
SCALE: 1/2" = 1'-0"



SOFFIT AT LUNCH ROOM

SCALE: $1\frac{1}{2}" = 1' - 0"$

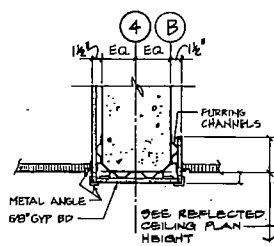
AC2, AC9 | A13
AC13



ACCESS
FLOOR AT EXTERIOR WALL

SCALE: $1\frac{1}{2}" = 1'-0"$

7
K10 | A13

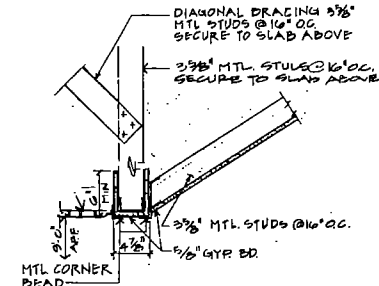


FURRING @ BULKHEADS

SCALE: $1\frac{1}{2}" = 1'-0"$

8

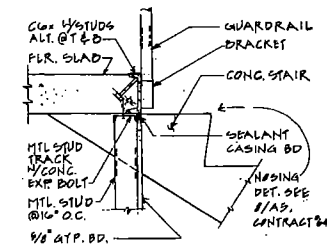
AC9 AJ3



SOFFIT DETAIL
AT STAIR NO. 1

SCALE: 1/2" = 1'-0"

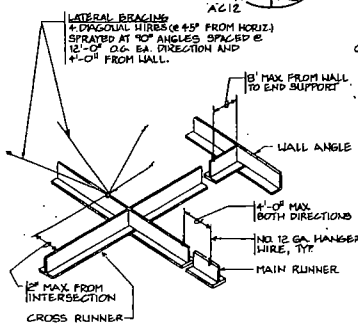
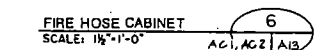
9
AC 12 AB 3



BULKHEAD AND GUARDRAIL
DETAIL AT STAIR NO. 1

SCALE: 1 1/2" = 1'-0"

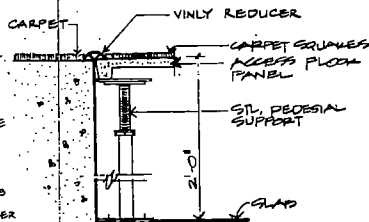
10
AC12/A13



SUSPENDED ACOUSTICAL
CEILING

N.T.S.

ACB, AC9 A13

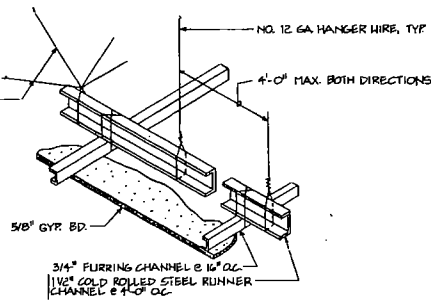
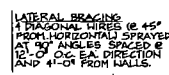


ACCESS
FLOOR AT FLOOR SLAB

SCALE: $1\frac{1}{2}"=1'-0"$

12

ACC, ACB, AIS

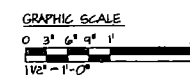


SUSPENDED CEILING

N.T.S.

13

ACB, AC9, A13



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Robert Howard

'
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

MISCELLANEOUS

INTERIOR DETAILS - 2.

STANDARDS

INTERSTATE ROUTE H-3

F.A.I. PROJ. NO. I-H3-I(66)

SCALE: AS NOTED
DATE: APR 1992

SHEET NO A13 OF 15 SHEETS

EXHIBIT C
REQUIREMENTS MATRIX

HDOT Videowall Requirements

Instructions to Proposers: Complete this form as described in Section 3.05 of the RFP. Additional sheets may be added, as necessary.

Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
General Requirements				
1.01	The video wall will consist of eight (8) projection cubes arranged in a 2-high by 4-wide array.			
1.02	The video wall shall allow displaying up to thirty-two (32) simultaneous images (combination of video images, data images, and cable TV images) anywhere on this video wall.			
1.03	The video wall shall also allow using the entire surface of the video wall to be used to display a single image.			
1.04	The support structure that holds up the projection cubes shall be provided as part of this contract. The support structure shall be made of steel or extruded aluminum and provide a sturdy structurally sound frame designed to provide the load capacity plus 50% imposed by the projection cubes. The front of the substructure as well as any surface area around the display shall be covered with a HDOT-approved material and trim that presents a "finished" look and that matches the decor of the operation room.			
Projection Cubes Requirements				
2.01	All cubes shall be edge-matched to adjacent cubes. The intra-screen spacing between cubes shall be less than or equal to 1.0 mm both vertically and horizontally, without any visible lip hanging over the screen to hold it in place.			
2.02	All display windows (digital video, analog video, computer images) shall be scalable from a small window to the extent of the video wall.			

Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
2.03	Each of the projection cubes shall conform to the following minimum requirements:			
2.03.01	Supported Resolution per cube minimum is: XGA (1024x768)			
2.03.02	Aspect ratio shall be 4x3			
2.03.03	Uniformity (both brightness and color) per cube: $\geq 90\%$			
2.03.04	Contrast ratio: $\geq 1000:1$			
2.03.05	Luminance per cube: ≥ 500 cd/m ² at full brightness			
2.03.06	Picture adjustability for horizontal and vertical position, horizontal and vertical keystone, zoom, and tilt.			
2.03.07	Inputs: Vendor shall demonstrate that the inputs support connections to the outputs of the proposed controller.			
2.03.08	Individual cubes shall not be susceptible to any "burn-in," "memory effect" or "Image Retention" on any long displayed images.			

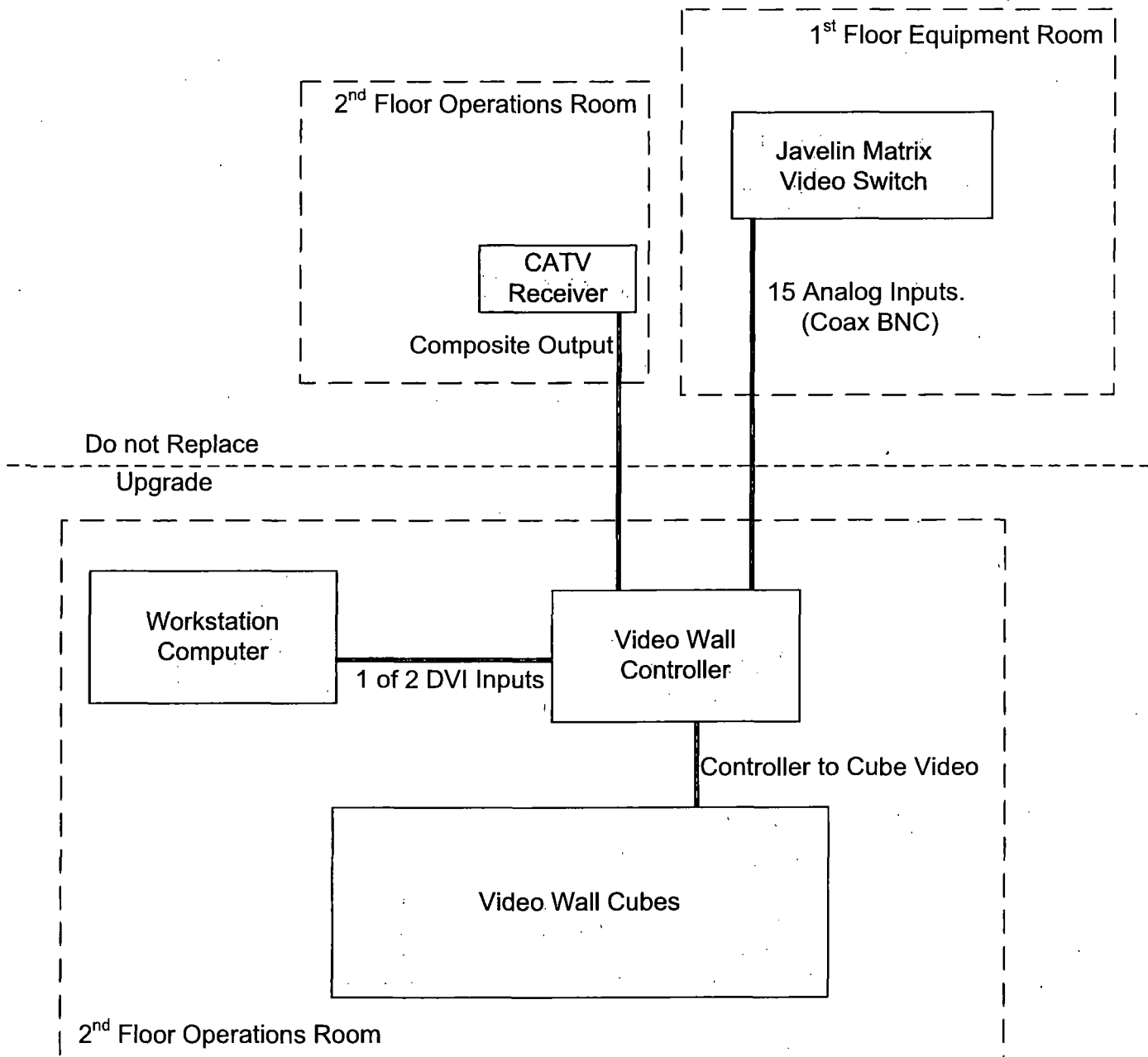
Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
2.03.09	Vendor's warranty shall not exclude "burn-in", "memory effect" or "Image Retention" on any long displayed images.			
2.03.10	The front screen shall have an anti reflection screen.			
2.03.11	Power Consumption: Typical - no more than 250 Watts per cube, Max – no more than 350 Watts per cube.			
2.03.12	Thermal Dissipation: In order to reduce the load on the room's HVAC system, HDOT will factor thermal dissipation of the Vendor's equipment in the proposal evaluation. Vendors shall specify the thermal dissipation at the specified maximum and the minimum power consumption and brightness settings per cube.			
2.03.13	Operating Temperature of +10.0 C to +35.0 C.			
2.03.14	Humidity: 20% to 80% non-condensing			
2.04	The viewing angle shall be, as a minimum, 160° horizontally and 30° vertically measured off of the center axis of any projection cube.			
2.05	Noise level for the complete videowall shall be less than 50 dB measured 6 feet from the front of the cubes.			
2.06	LED MTBF at typical brightness: ≥50,000 Hours			

Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
2.07	MTBF for all major components: ≥50,000 Hours			
2.08	Expected life for DLP technology: ≥100,000 Hours			
2.09	Full rear equipment maintenance access			
Video Wall Control System Requirements				
3.01	Operating System: Windows-based (Windows XP, Windows 7, Server 2003 or Server 2008) allowing automatic security patches and/or updates. Note that HDOT will be responsible for the firewall and security system. HDOT will also provide and update the virus protection software.			
3.02	Support maximum native resolution of the proposed cubes			
3.03	Analog video input: Quantity 32, with formats of at least NTSC composite BNC			
3.04	Streaming digital video input: Quantity 2, supporting MPEG, MPEG-2, MPEG-4, MJPEG, H.264 formats			
3.05	Computer input: Quantity 2, supporting HD-15 D-Sub, DVI-D formats			
3.06	The video wall shall provide the capability to display one (1) Cable TV receiver input via composite video (RCA Connector) or S-Video			

Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
3.07	Color depth/palette: at least 24 bits / 16.7 Mio Colors			
3.08	The video wall control system shall support digital color balancing (manual or automatic)			
3.09	Not used.	N/A	N/A	N/A
3.10	Ethernet connectivity: 100/1000 Base-T RJ45			
Minimum Workstation Requirements				
4.01	Operating System: Windows-based (Windows XP or Windows 7) allowing automatic security patches and/or updates. Note that HDOT will be responsible for the firewall and security system. HDOT will also provide and update the virus protection software.			
4.02	Processor: Intel Xeon Quad Core Processor E5504, 2.0GHz, 4M, 4.8GT/s			
4.03	Memory: 4 GB DDR3 ECC SDRAM			
4.04	Video Card: Dual 512MB PCIe x 16 NVIDIA Quadro FX 580 Quad Monitor DVI +2 DP			
4.05	Hard Drive: 80 GB SATA, 7,200 RPM, with 8MB Cache			

Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
4.06	Ethernet connectivity: Quantity 2, 100/1000 Base-T RJ45			
4.07	DVD: DVD+/-RW			
4.08	Monitor: 20" Widescreen, Native resolution of 1920x1080			
4.09	Expansion Slots: 2 PCI-e x16 slots wire as x8, 2 PCI-e 16 Gen 2 (150w each), 1 PCIX 64bit			
4.10	Ports: 6 USB 2.0, 1 Serial, 2 RJ-45			
4.11	Power Supply: 875W			
4.12	Accessories: USB Keyboard, USB Mouse with Scroll			
Audio System Requirements				
5.01	The system shall support and output analog audio from the Cable TV Receiver through standard RCA audio output connectors. Operators shall be able to mute and control the volume output of the audio from the video wall system speakers.			

EXHIBIT D
CONNECTION DIAGRAM



Note: Refer to Exhibit B for room dimension information

WRITTEN QUESTIONS RECEIVED AND RESPONSES GIVEN

Question #	Ref Section	Question	Response
1	Technical Provisions, Section 2.02.01, Pages TP-3 to TP-4	Please clarify if the Video Wall control system/processor hardware required for this RFP can be located in the Traffic Operations Center (TOC), or if it is required to be located in the equipment room directly below the TOC?	Will be addressed via addendum. Offerors should refer to revisions to Technical Provisions 2.02.01, removing the requirement to place the video wall control system hardware in the equipment room.
2		If the existing Javelin system is to be retained in the Video Wall system design, what function(s) will it be required to perform?	The existing Javelin video switch is the source of the analog video inputs to the Video Wall control system..
3	Technical Provisions, Section 2.02.01, Page TP-4	In regard to the Video Wall controller/processor requirement of "2 digital inputs via DVI", a) Please identify the source devices that will be connecting to these 2 DVI inputs? b) Where will the source devices be located?	Will be addressed via addendum. Offerors should refer to revisions of Technical Provisions 2.02.01, adding a workstation to the project. This workstation will utilize one of the two required DVI inputs. The second DVI input will be a spare for future flexibility.
4	Exhibit C – Requirements Matrix, 3.01	Is it acceptable if the proposed Video Wall control system operating system is Windows-based (Windows 7) compatible?	Windows 7 is acceptable operating system. Will be addressed via addendum.
5	Exhibit C – Requirements Matrix, 3.03	Please confirm that the existing traffic camera video distribution system can support the 32 analog video input requirement?	No, the existing Javelin video switch does not have 32 available video outputs for the video wall control system. However, the 32 analog video input requirement is meant to provide HDOT with future flexibility. Offerors should refer to revisions of Technical Provisions 2.02.01.
6	Exhibit B – Existing System As-Builts	The Exhibit B - Existing System As-Builts documentation did not include a one-line diagram of the video signal distribution of the existing TOC display system. Please provide a one-line diagram of the existing video signal distribution for the TOC display system?	Will be addressed via addendum.

WRITTEN QUESTIONS RECEIVED AND RESPONSES GIVEN

Question #	Ref Section	Question	Response
7	Exhibit C – Requirements Matrix, 3.04	Please identify the current existing equipment being used to provide streaming video for the TOC display system.	None currently exists
8	Exhibit C – Requirements Matrix, 3.06	Please clarify if HDOT will provide the cable TV source/CATV tuner?	HDOT has CATV service and an existing CATV tuner. Provision of CATV service or CATV tuner is not a part of this project.
9	Exhibit C – Requirements Matrix, 3.09	Please clarify the method which HDOT requires to remotely access and control the Video Wall control system (controller software based, digital IP based, web browser based, etc.)?	Requirement 3.09 is being removed via addendum.
10	Exhibit C – Requirements Matrix, 3.09	What type(s) of third party devices are required to provide remote access for control of the Video Wall control system?	Requirement 3.09 is being removed via addendum.
11		Does HDOT want all operators to be able to access/control the wall? Simultaneously?	Will be addressed via addendum. Control will be via the workstation added to Technical Provisions 2.02.01.
12		Does HDOT want capacity for future sources, both video and workstation? How many of each?	The required input quantities shown in Requirements 3.03, 3.04, 3.05, and 3.06 take into account some future flexibility. In addition, the Proposal Schedule shows Item Nos. 697.2010, 697.2020, and 697.2030, which may be used to pay for additional inputs, if needed.

WRITTEN QUESTIONS RECEIVED AND RESPONSES GIVEN

Question #	Ref Section	Question	Response
13		What are the working hours? Is it permissible to work in the evening or on the weekend?	Will be addressed via addendum. Offerors should refer to revisions of Special Provisions Section 107.03, which identify the work hours as Monday through Friday, 7:00 a.m. to 3:00 p.m.
14		Should the warranty pricing on the hardware and cubes through 5 years be broken out as an option?	No. Pricing should be provided per the Proposal Schedule. Offerors should refer to Technical Provisions Section 5.26 – Payment to understand how HDOT will pay for the various project deliverables.
15		The Special Provisions call for wages per Chapter 104, HRS. The scope of this project envisions specialty installation knowledge pertaining to video walls. What “Class of Laborers” under HRS would be applicable to this installation work?	If Offerors are unsure about the applicable classes for this work, they should inquire with the U.S. Department of Labor or the Hawaii Department of Labor and Industrial Relations.
16		The Special Provisions call for a Proposal Guarantee (paragraph 102.08) and a Contract Bond (paragraph 103.05). Please confirm that this is a requirement of this proposal.	Yes. Offerors should refer to the Hawaii Standard Specifications for Road and Bridge Construction, 2005 as well as the Special Provisions.
17		If a bond is confirmed, will the State consider providing a mobilization paragraph in the special provisions?	No, there should be no significant equipment mobilization costs for this project. Offerors should refer to Technical Provisions Section 5.26 – Payment to understand how HDOT will pay for the various project deliverables.

WRITTEN QUESTIONS RECEIVED AND RESPONSES GIVEN

Question #	Ref Section	Question	Response
18	105	Is there a percentage of work requirement where the Awarded Contractor must use their own staff and equipment?	Per Hawaii Standard Specifications for Road and Bridge Construction, 2005 Section 105, 30 percent.
19		Is Builder's Risk Insurance a requirement?	Offerors should refer to Hawaii Standard Specifications for Road and Bridge Construction, 2005 Section 107 and Special Provisions Section 107 for insurance requirement details.
20		Does any of the material to be removed contain hazardous materials, such as Asbestos?	As the H-3 TOC was completed in 1997, we do not anticipate asbestos being encountered. Disposal of the existing video wall shall be done in accordance with disposal requirements for electronic waste.