

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

**ADDENDUM NO. 1**

**FOR**

**FREEWAY MANAGEMENT SYSTEM PHASE 1B:  
TRAFFIC OPERATIONS CENTER, UNIT 5A:  
VIDEOWALL**

**FEDERAL-AID PROJECT NO. IM-0300(118)-R**

**DISTRICT OF EWA  
ISLAND OF OAHU**

**2011**

The following amendments shall be made to the Request For Proposals:

**1. REQUEST FOR PROPOSALS**

- a. Prospective offerors are hereby notified that the receiving of sealed proposals is hereby rescheduled for 2:00 P.M., Hawaii Standard Time (HST), on December 22, 2011. The attached REQUEST FOR PROPOSALS shall be incorporated and made a part of the REQUEST FOR PROPOSALS.

**2. TECHNICAL PROVISIONS**

- a. Amend Section 2.02 – Scope of Work by revising the third bullet of the second paragraph to read as follows:
  - “• Provide a five (5) year warranty and maintenance services for all hardware and software associated with the video wall, following system acceptance.”
- b. Amend Section 2.02 – Scope of Work by adding the following bullet at the end of the second paragraph:
  - “• Procure, deliver, and install a workstation, which shall run the video wall client software.”
- c. Amend Section 2.02.01 Task 1: Video Wall System Design by revising the eighth and ninth paragraphs to read as follows:

"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 support structure shall be securely fastened to the 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. There are 15 coaxial cables from the existing video switch to the existing video wall. The Contractor shall be responsible for cabling 15 analog outputs from the existing video switch to the new video controller. HDOT will be responsible for any needed configuration of the existing video switch. Should the Contractor decide to utilize the existing cabling, it will also assume responsibility for the cable performance."

- d. Amend Section 2.02.01 Task 1: Video Wall System Design by revising the eleventh paragraph to read as follows:

"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. The Contractor shall split the existing Cable TV receiver output to accommodate its input into the video controller."

- e. Amend Section 2.02.01 Task 1: Video Wall System Design by adding the following after the eleventh paragraph:

"The workstation shall be placed in the operations room and shall be used by the HDOT operations staff to control what is displayed on the video wall. HDOT must also have the capability to load client software of its SCADA system on the workstation in order to display it on the video wall."

- f. Amend Section 2.02.02 Task 2: Dismantling and Disposal of Existing Video Wall Equipment and Installation of New Video Wall by revising the second paragraph to read as follows:

"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 and satisfy all disposal requirements for electronic waste."

- g. Amend Section 2.02.03 Task 3: Acceptance Testing by revising the fourth paragraph to read as follows:

“Failures of the system or of particular components occurring during the acceptance test, and any time during the first 30 calendar 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.”

- h. Amend Section 2.02.03 Task 3: Acceptance Testing by revising the sixth paragraph to read as follows:

“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 calendar days to allow the Contractor time to research, document, and provide the proposed resolution. If additional time is needed, the Contractor shall notify HDOT.”

- i. Amend Section 2.02.04 Task 4: Training by revising the third paragraph to read as follows:

“The Contractor shall submit agendas and training materials to the Engineer for approval prior to scheduling the training dates. 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 provided to operators and a minimum of 8 hours for administration and maintenance staff.”

- j. Amend Section 2.02.05 Task 5: Warranty by revising the first paragraph to read as follows:

“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 Surety will not be held liable beyond two (2) years of the project acceptance date.”

- k. Amend Section 2.03 Hawaii Department of Transportation Responsibilities by revising it to read as follows:

**“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. Use of the HDOT staging area will be at the Contractor's own risk. Any damage or loss due to use of this staging area will be the responsibility of the Contractor. The Contractor shall coordinate staging with the Engineer.
- (3) HDOT will designate a maximum of 2 parking spaces at the H-3 TOC. Parking may be restricted during special events at the H-3 TOC. The Contractor shall coordinate parking with the Engineer.
- (4) HDOT will allow the use of its toilet facilities. However, HDOT will not allow the use of its kitchen facilities. Also, it should be noted that the H-3 TOC tap water is non-potable. The Contractor will be required to provide its own drinking water. The Contractor will be responsible for removing all trash it generates every day."

I. Amend Section 3.02 Experience and Capabilities by revising it to read as follows:

### **"3.02 EXPERIENCE AND CAPABILITIES**

#### **TEAM EXPERIENCE:**

Provide a complete client listing for all of Offeror's video wall or related projects. For each 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 Subcontractor has been in business and the number of years Offeror and each 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 Subcontractors. If none, so state.

**FINANCIAL CONDITION:**

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

- m. Amend Section Six – Exhibits: Exhibit B – Existing System As-Built by adding the attached Plan Sheet 226 from F.A.I.P. No. I-H3-1(65) and Plan Sheet 307 from F.A.I.P. No. I-H3-1(66).
- n. Amend Section Six – Exhibits: Exhibit C – Requirements Matrix by replacing it with the attached Exhibit C – Requirements Matrix, dated 11/21/2011.
- o. Amend Section Six – Exhibits: by adding the attached Exhibit D – Connection Diagram.

**3. SPECIAL PROVISIONS**

- a. Amend Section 107 – Legal Relations and Responsibility to Public, dated 4/1/11 by replacing it in its entirety with the attached dated 11/16/11.
- b. Amend Section 108 – Prosecution and Progress, dated 2/06/06 by replacing it in its entirety with the attached dated 11/21/11.
- c. Amend Federal Wage Rates, dated 03/18/2011 by replacing it in its entirety with the attached dated 10/14/2011.

The pre-proposal meeting minutes are attached for your information.

Please acknowledge receipt of this Addendum No. 1 in your proposal.



GLENN M. OKIMOTO, Ph.D.  
Director of Transportation

## REQUEST FOR PROPOSALS

The receiving of sealed proposals for the **Freeway Management System, Phase 1B, Traffic Operations Center, Unit 5A: Videowall, Federal-Aid Project No. IM-0300(118)-R**, at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813, scheduled for 2:00 P.M., Hawaii Standard Time (HST), on December 15, 2011 is hereby POSTPONED UNTIL 2:00 P.M., December 22, 2011.

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GLENN M. OKIMOTO, Ph.D.  
Director of Transportation

Internet Posting:

**EXHIBIT B**  
**Existing System As-Builts**

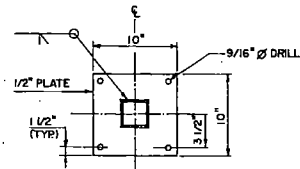
Diagram illustrating the plan view of the Video Monitor Rack. Key dimensions and features include:

- Overall width: 5'-3"
- Overall depth: 3'-6"
- Top edge: 1/4" BACK R. (Radius)
- Bottom edge: 1/4" BENT R. (TOP) and 1/4" R. BOTTOM (Radius)
- Internal width segments: 2'-8 1/2" and 10 1/2"
- Internal depth segments: 15" and 10 1/2"
- Center of gravity: C (Center of Gravity)
- Mounting holes: 3/16" DIA. HOLE (TYP.)
- Reference: Q SYMM.

Technical drawing of a bridge section. The drawing shows a cross-section of a bridge with various dimensions and labels. The main dimensions are: 10 1/2" (top left), 2" (top left), 2" (top left), 2" (top left), 3 7/8" (top left), 4" (top left), 1'-9" (top right), 1'-3" (top right), 2" (top right), 2" (top right), 1/4" R (bottom left), 2'-8 1/2" (bottom left), 1/4" R (bottom right), and 2" (bottom right). The drawing is labeled "SECTION" and "C" (bottom center). The drawing is also labeled "PEDESTAL" (bottom right).

MULTI-OUTLET POWER STRIP ASSY.  
 W/O SINGLE 120V RECEPTACLES  
 20°  
 TYP TOP & BOTTOM  
 SCREW ON COVER  
 1/2" A 307 BOLT w/ L' NUT AND WASHER TYP. 4 AT 6" O.C.  
 PEDESTAL  
 RAISED FLOOR  
 2" x 6" OPENING FOR CABLE ROUTING (TYP. OPPOSITE SIDE)  
 1/2" GROUT  
 10" SQUARE 1/2" PLATE BOLT TO FLOOR (TYP. 4 PLACES PER ASSY.)  
 1/2" BOLTS (MIN. 2 1/4" EMBEDMENT, (TYP. 4 PER ASSY.))  
 7" 7"  
 1/4" BENT PL.  
 1/4" PL. - PROVIDE 4" SQ. HOLE AT PEDESTALS  
 1/4" PL. x 6" SQUARE, CUT 3/2" SQUARE OPENING IN PLATE AT PEDESTALS  
 SQUARE TUBULAR STEEL PEDESTAL (TS. 4"x4"x 1/4" ASTM A500-B)  
 FINISHED FLOOR  
 1/2"

**SECTION**



SECTION

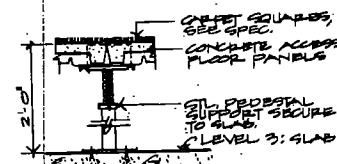


STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**VIDEO MONITOR RACK**  
**LAYOUT & DETAILS**  
**CONTROL BUILDING**  
INTERSTATE ROUTE H-3  
F.A.I. PROJ. NO. I-H3-1 ( 65 )

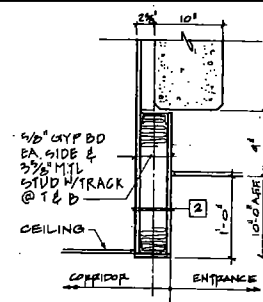
Stanley M. O. I. Chin



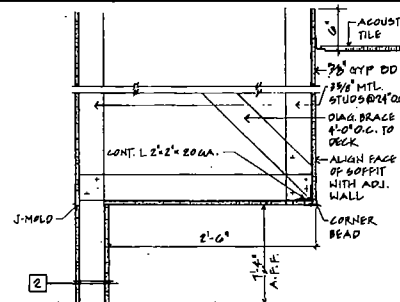
9 HANGER WIRE @ 3'-0" O.C.  
 1½" CHANNELS @ 3'-0" O.C.  
 1½" CHANNELS @ 19½" O.C.  
 MTL. LATH & FELT PAPER  
 STUCCO  
 FRY 1' ALUM. F. MOLD PPM-19-100  
 FRY 2' ALUM. VENT MOLD PPS-19-V-200



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



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

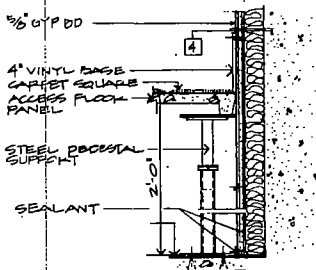
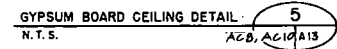


SOFFIT AT LUNCH ROOM

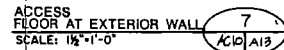
SCALE:  $1\frac{1}{2}" = 1' - 0"$

AC2, AC9 | A13

AC13



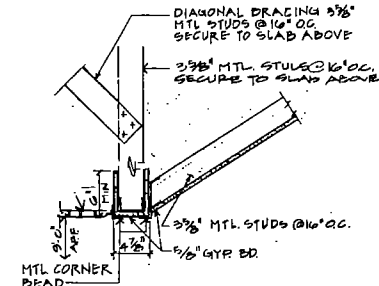
FIRE HOSE CABINET  
SCALE: 1 1/2" = 1'-0"



FURRING @ BULKHEADS

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

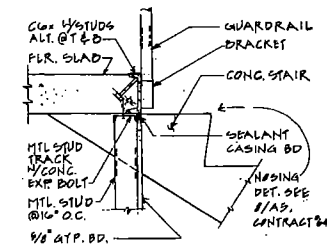
8  
AC9 AJ3



SOFFIT DETAIL  
AT STAIR NO. 1

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

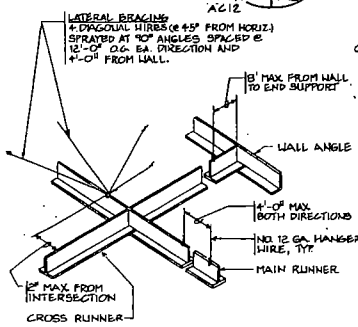
9  
AC 12 / AB



BULKHEAD AND GUARDRAIL  
DETAIL AT STAIR NO. 1

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

10  
AC12/A13

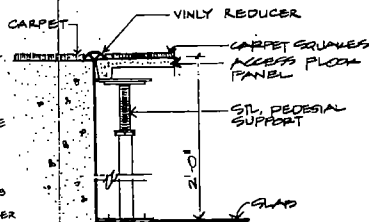


SUSPENDED ACOUSTICAL  
CEILING

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N.T.S.

ACB, AC9 A13

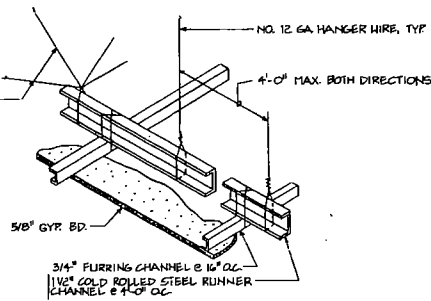
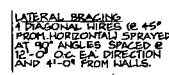


ACCESS  
FLOOR AT FLOOR SLAB

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

12

ACC, ACB, AIS



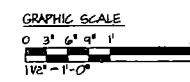
SUSPENDED CEILING

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N.T.S.

ACB, AC9 | A13

13



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

[illegible]

**EXHIBIT C**  
**REQUIREMENTS MATRIX**

HDOT Videowall Requirements				
Instructions to Offerors: 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
<b>General Requirements</b>				
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.			
<b>Projection Cubes Requirements</b>				
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: $\geq 500$ cd/m2 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			

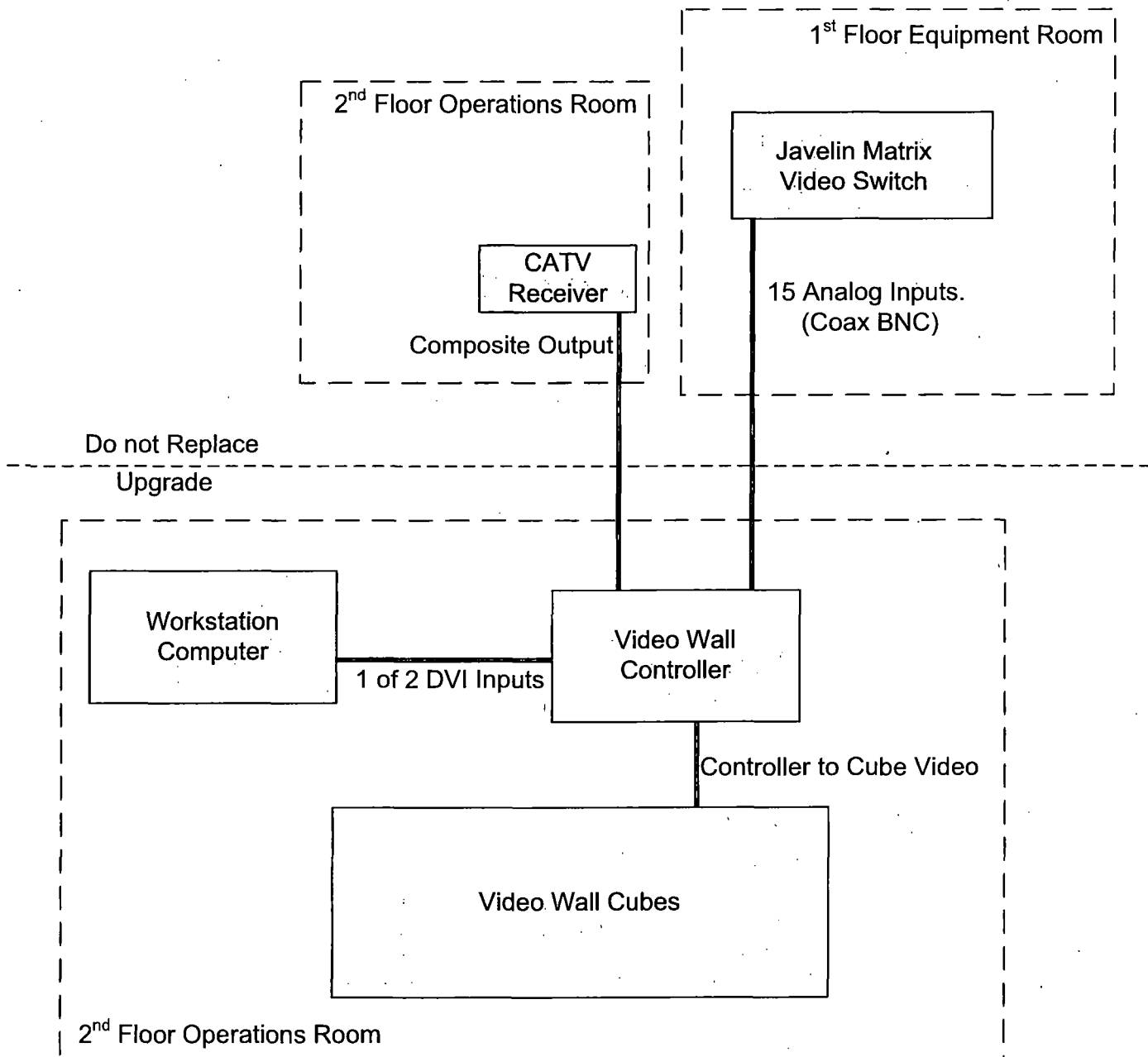
Requirement Number	Requirement	Proposer Response (Y)es (M)odified (N)o	Previous Projects in which Requirement Was Met	Proposer Explanation and Comment
2.07	MTBF for all major components: ≥50,000 Hours			
2.08	Expected life for DLP technology: ≥100,000 Hours			
2.09	Full rear equipment maintenance access			
<b>Video Wall Control System Requirements</b>				
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 or better.			

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			
<b>Minimum Workstation Requirements</b>				
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 X5647, 2.93 GHz 12MB 5.86GT/s			
4.03	Memory: 8 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: 500GB SATA, 7,200 RPM, with 32MB 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			



**EXHIBIT D**  
**CONNECTION DIAGRAM**



Note: Refer to Exhibit B for room dimension information

1       **SECTION 107 - LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**

2  
3       Make the following amendments to said Section:

4  
5       **(I) Amend 107.01(B)(1) – Commercial General Liability (Occurrence**  
6       **form) from lines 61 to 62 to read as follows:**

7  
8                       **“(c) Bodily Injury & Property Damage Insurance.”**  
9

10       **(II) Amend 107.03 – Working Hours; Night Work to read as follows:**  
11       **“107.03 Working Hours; Night Work.** Normal working hours  
12       shall be from 7:00 a.m. to 3:00 p.m., Monday through Friday, excluding  
13       holidays. Work performed between 3:00 p.m. and 7:00 a.m. of the  
14       following day is “night work”.  
15  
16  
17  
18  
19

20                               **END OF 107**

1                                   **SECTION 108 - PROSECUTION AND PROGRESS**

2  
3       Make the following amendments to said Section:

4  
5       **(I) Amend Subsection 108.05(B)(2) – Delay for Permits** by revising lines  
6       149 to 156 to read as follows:

7  
8                   **(2) Delay for Permits.** For delays in the routine application  
9                   and processing time required to obtain necessary permits,  
10                  including permits to be obtained from State agencies, the Engineer  
11                  may grant an extension provided that the delay is not caused by the  
12                  Contractor, and provided that as soon as the delay occurs, the  
13                  Contractor notifies the Engineer in writing that the permits are not  
14                  available. Time extensions will be the exclusive relief granted on  
15                  account of such delays.

16  
17       **(II) Amend Subsection 108.06(A)(1) - For Contracts \$2,000,000 or less or**  
18       **For Contract Time 100 Working Days or 140 Calendar Days or less** from  
19       lines 290 to 295 to read as follows:

20  
21                   **“(1) For Contracts \$2,000,000 or less or For Contract Time**  
22                   **100 Working Days or 140 Calendar Days or Less.** For  
23                   contracts of \$2,000,000 or less or for contract time of 100 working  
24                   days or 140 calendar days or less, the progress schedule will be a  
25                   Time Scaled Logic Diagram (TSLD). The Contractor shall submit  
26                   a TSLD submittal package meeting the following requirements and  
27                   having these essential and distinctive elements.”

28  
29       **(III) Amend Subsection 108.06(A)(2) - For Contracts Which Have A**  
30       **Contract Amount More Than \$2,000,000 Or Having A Contract Time Of More**  
31       **Than 100 Working Days Or 140 Calendar Days** from lines 351 to 358 to read  
32       as follows:

33  
34                   **“(2) For Contracts Which Have A Contract Amount More**  
35                   **Than \$2,000,000 Or Having A Contract Time Of More Than 100**  
36                   **Working Days Or 140 Calendar Days.** For contracts which  
37                   have a contract amount more than \$2,000,000 or contract time of  
38                   more than 100 working days or 140 calendar days, the Contractor  
39                   shall submit a Timed-Scaled Logic Diagram (TSLD) meeting the  
40                   following requirements and having these essential and distinctive  
41                   elements.”

42  
43       **(IV) Amend Subsection 108.06(A)(2)(a) line 360 to read as follows:**

44  
45                   **“(a) The information and requirements listed in Subsection**  
46                   **108.06(A)(1) - For Contracts \$2,000,000 or Less or For**

Contract Time 100 Working Days or 140 Calendar Days or Less."

(V) Amend **Subsection 108.08 - Liquidated Damages for Failure to Complete the Work or Portions of the Work on Time** by revising line 599 to read as follows:

"to the State, in the amount of \$ 900 per working day."

(VI) Amend **Subsection 108.09 - Rental Fees for Unauthorized Lane Closure or Occupancy** from lines 635 to 644 to read as follows:

**"108.09 Rental Fees for Unauthorized Lane Closure or Occupancy.** In addition to all other remedies available to the State for Contractor's breach of the terms of the contract, the Engineer will assess the rental fees in the amount of \$500 for every one-to fifteen-minute increment for each roadway lane closed to the public use or occupied beyond the time periods authorized in the contract or by the Engineer. The maximum amount assessed per day shall be \$5,000. The State may, at its discretion, deduct the amount from monies due or that may become due under the contract. The rental fee may be waived in whole or part if the Engineer determines that the unauthorized period of lane closure or occupancy was due to factors beyond the control of the Contractor. Equipment breakdown is not a cause to waive liquidated damages."

(VII) Amend **Subsection 108.14 – Final Acceptance** from lines 984 to 991 to read as follows:

**"108.14 Final Acceptance.** When the Engineer finds that the project has been satisfactorily completed in compliance with the contract, the Engineer will notify the Contractor in writing of the project's completion and acceptance effective as of the date of the final inspection. The final acceptance date shall determine end of contract time, liquidated damages for failure to complete the punchlist and commencement of all guaranty periods subject to Subsection 108.16 – Contractor's Responsibility for Work; Risk of Loss or Damage."

**END OF SECTION 108**

HI1\_dvb  
General Decision Number: HI100001 10/14/2011 HI1

Superseded General Decision Number: HI20080001

State: Hawaii

Construction Types: Building, Heavy (Heavy and Dredging),  
Highway and Residential

Counties: Hawaii Statewide.

BUILDING CONSTRUCTION PROJECTS; RESIDENTIAL CONSTRUCTION  
PROJECTS (consisting of single family homes and apartments up  
to and including 4 stories); HEAVY AND HIGHWAY CONSTRUCTION  
PROJECTS AND DREDGING

Modification Number	Publication Date
0	03/12/2010
1	04/30/2010
2	05/07/2010
3	06/04/2010
4	06/11/2010
5	07/09/2010
6	07/16/2010
7	07/23/2010
8	08/13/2010
9	08/20/2010
10	09/03/2010
11	09/24/2010
12	10/08/2010
13	10/15/2010
14	10/29/2010
15	11/05/2010
16	11/19/2010
17	11/26/2010
18	12/03/2010
19	01/21/2011
20	03/04/2011
21	03/11/2011
22	03/18/2011
23	04/08/2011
24	05/13/2011
25	06/24/2011
26	07/08/2011
27	07/22/2011
28	08/05/2011
29	08/12/2011
30	08/19/2011
31	09/02/2011
32	09/09/2011
33	09/23/2011
34	09/30/2011
35	10/14/2011

ASBE0132-001 08/29/2010

Rates

Fringes

Asbestos workers/Insulator  
Includes application of  
all insulating materials,

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protective coverings,  
coatings and finishes to  
all types of mechanical  
systems. Also the  
application of  
firestopping material for  
wall openings and  
penetrations in walls,  
floors, ceilings and  
curtain walls.....

\$ 36.65 22.24

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BOIL0627-005 04/01/2010

	Rates	Fringes
BOILERMAKER.....	\$ 31.92	21.42

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BRHI0001-001 08/29/2011

	Rates	Fringes
BRICKLAYER		
Bricklayers and Stonemasons.....	\$ 33.90	22.62
Pointers, Caulkers and Weatherproofers.....	\$ 34.15	22.62

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BRHI0001-002 08/29/2011

	Rates	Fringes
Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders.....	\$ 32.34	22.62
Terrazzo Floor Grinders and Tenders.....	\$ 30.79	22.62
Tile, Marble and Terrazzo Workers.....	\$ 34.15	22.62

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CARP0745-001 08/29/2011

	Rates	Fringes
Carpenters:		
Carpenters; Hardwood Floor Layers; Patent Scaffold Erectors (14 ft. and over); Piledrivers; Pneumatic Nailers; Wood Shinglers and Transit and/or Layout Man.....	\$ 38.00	19.62
Millwrights and Machine Erectors.....	\$ 38.25	19.62
Power Saw Operators (2 h.p. and over).....	\$ 38.15	19.62

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CARP0745-002 08/29/2011

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....	\$ 38.25	19.62

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ELEC1186-001 02/20/2011

	HI1_dvb Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 44.33	26.41
Electricians.....	\$ 40.30	25.18
Telecommunication worker....	\$ 23.20	17%+6.35

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ELEC1186-002 02/20/2011

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 44.33	24.67
Groundmen/Truck Drivers.....	\$ 30.22	20.89
Heavy Equipment Operators...	\$ 36.27	22.50
Linemen.....	\$ 40.30	23.57
Telecommunication worker....	\$ 23.20	17%+\$6.35

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ELEV0126-001 01/01/2011

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 49.48	21.79

a. VACATION: Employer contributes 8% of basic hourly rate for 5 years service and 6% of basic hourly rate for 6 months to 5 years service as vacation pay credit.

b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day and Christmas Day.

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\* ENGI0003-002 08/29/2011

	Rates	Fringes
Diver (Aqua Lung) (Scuba)		
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)...	\$ 58.75	23.94
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)...	\$ 49.38	23.94
Stand-by Diver (Aqua Lung) (Scuba).....	\$ 40.00	23.94
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	\$ 58.75	23.94
Diver Tender (Other than Aqua Lung).....	\$ 36.97	23.94
Stand-by Diver (Other than Aqua Lung).....	\$ 40.00	23.94
Helicopter work		
Airborne Hoist Operator for Helicopter.....	\$ 38.55	23.94
Co-Pilot of Helicopter.....	\$ 38.69	23.94
Pilot of Helicopter.....	\$ 38.86	23.94
Power equipment operator - tunnel work		
GROUP 1.....	\$ 34.99	23.94
GROUP 2.....	\$ 35.10	23.94
GROUP 3.....	\$ 35.27	23.94
GROUP 4.....	\$ 35.54	23.94
GROUP 5.....	\$ 35.85	23.94
GROUP 6.....	\$ 36.50	23.94



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GROUP 7	.....	\$ 36.82	23.94
GROUP 8	.....	\$ 36.93	23.94
GROUP 9	.....	\$ 37.04	23.94
GROUP 9A	.....	\$ 37.27	23.94
GROUP 10	.....	\$ 37.33	23.94
GROUP 10A	.....	\$ 37.48	23.94
GROUP 11	.....	\$ 37.63	23.94
GROUP 12	.....	\$ 37.99	23.94
GROUP 12A	.....	\$ 38.35	23.94
Power equipment operators:			
GROUP 1	.....	\$ 34.69	23.94
GROUP 2	.....	\$ 34.80	23.94
GROUP 3	.....	\$ 34.97	23.94
GROUP 4	.....	\$ 35.24	23.94
GROUP 5	.....	\$ 35.55	23.94
GROUP 6	.....	\$ 36.20	23.94
GROUP 7	.....	\$ 36.52	23.94
GROUP 8	.....	\$ 36.63	23.94
GROUP 9	.....	\$ 36.74	23.94
GROUP 9A	.....	\$ 36.97	23.94
GROUP 10	.....	\$ 37.03	23.94
GROUP 10A	.....	\$ 37.18	23.94
GROUP 11	.....	\$ 37.33	23.94
GROUP 12	.....	\$ 37.69	23.94
GROUP 12A	.....	\$ 38.05	23.94
GROUP 13	.....	\$ 34.97	23.94
GROUP 13A	.....	\$ 35.24	23.94
GROUP 13B	.....	\$ 35.55	23.94
GROUP 13C	.....	\$ 36.20	23.94
GROUP 13D	.....	\$ 36.52	23.94
GROUP 13E	.....	\$ 36.63	23.94

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Fork Lift (up to and including 10 tons); Partsman (heavy duty repair shop parts room when needed).

GROUP 2: Conveyor Operator (Handling building material); Hydraulic Monitor; Mixer Box Operator (Concrete Plant).

GROUP 3: Brakeman; Deckhand; Fireman; Oiler; Oiler/Gradechecker; Signalman; Switchman; Highline Cableway Signalman; Bargeman; Bunkerman; Concrete Curing Machine (self-propelled, automatically applied unit on streets, highways, airports and canals); Leveeman; Roller (5 tons and under); Tugger Hoist.

GROUP 4: Boom Truck or dual purpose "A" Frame Truck (5 tons or less); Concrete Placing Boom (Building Construction); Dinky Operator; Elevator Operator; Hoist and/or Winch (one drum); Straddle Truck (Ross Carrier, Hyster and similar).

GROUP 5: Asphalt Plant Fireman; Compressors, Pumps, Generators and welding Machines ("Bank" of 9 or more, individually or collectively); Concrete Pumps or Pumpcrete Guns; Lubrication and Service Engineer (Grease Rack); Screedman.

GROUP 6: Boom Truck or Dual Purpose "A"Frame Truck (over 5 tons); Combination Loader/Backhoe (up to and including 3/4 cu. yd.); Concrete Batch Plants (wet or dry); Concrete Cutter, Groover and/or Grinder (self-propelled unit on streets, highways, airports, and canals); Conveyor or

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Concrete Pump (Truck or Equipment Mounted); Drilling Machinery (not to apply to waterliners, wagon drills or jack hammers); Fork Lift (over 10 tons); Loader (up to and including 3 and 1/2 cu. yds); Lull High Lift (under 40 feet); Lubrication and Service Engineer (Mobile); Maginnis Internal Full Slab Vibrator (on airports, highways, canals and warehouses); Man or Material Hoist; Mechanical Concrete Finisher (Large Clary, Johnson Bidwell, Bridge Deck and similar); Mobile Truck Crane Driver; Portable Shotblast Concrete Cleaning Machine; Portable Boring Machine (under streets, highways, etc.); Portable Crusher; Power Jumbo Operator (setting slip forms, etc., in tunnels); Rollers (over 5 tons); Self-propelled Compactor (single engine); Self-propelled Pavement Breaker; Skidsteer Loader with attachments; Slip Form Pumps (Power driven by hydraulic, electric, air, gas, etc., lifting device for concrete forms); Small Rubber Tired Tractors; Trencher (up to and including 6 feet); Underbridge Personnel Aerial Platform (50 feet of platform or less).

GROUP 7: Crusher Plant Engineer, Dozer (D-4, Case 450, John Deere 450, and similar); Dual Drum Mixer, Extend Lift; Hoist and/or winch (2 drums); Loader (over 3 and 1/2 cu. yds. up to and including 6 yards.); Mechanical Finisher or Spreader Machine (asphalt), (Barber Greene and similar) (Screedman required); Mine or Shaft Hoist; Mobile Concrete Mixer (over 5 tons); Pipe Bending Machine (pipelines only); Pipe Cleaning Machine (tractor propelled and supported); Pipe Wrapping Machine (tractor propelled and supported); Roller Operator (Asphalt); Self-Propelled Elevating Grade Plane; Slusher Operator; Tractor (with boom) (D-6, or similar); Trencher (over 6 feet and less than 200 h.p.); Water Tanker (pulled by Euclids, T-Pulls, DW-10, 20 or 21, or similar); Winchman (Stern winch on Dredge).

GROUP 8: Asphalt Plant Operator; Barge Mate (Seagoing); Cast-in-Place Pipe Laying Machine; Concrete Batch Plant (multiple units); Conveyor Operator (tunnel); Deckmate; Dozer (D-6 and similar); Finishing Machine Operator (airports and highways); Gradesetter; Kolman Loader (and similar); Mucking Machine (Crawler-type); Mucking Machine (Conveyor-type); No-Joint Pipe Laying Machine; Portable Crushing and Screening Plant; Power Blade Operator (under 12); Saurman Type Dragline (up to and including 5 yds.); Stationary Pipe wrapping, Cleaning and Bending Machine; Surface Heater and Planer Operator, Tractor (D-6 and similar); Tri-Batch Paver; Tunnel Badger; Tunnel Mole and/or Boring Machine Operator Underbridge Personnel Aerial Platform (over 50 feet of platform).

GROUP 9: Combination Mixer and Compressor (gunite); Do-Mor Loader and Adams Elegrader; Dozer (D-7 or equal); wheel and/or Ladder Trencher (over 6 feet and 200 to 749 h.p.).

GROUP 9A: Dozer (D-8 and similar); Gradesetter (when required by the Contractor to work from drawings, plans or specifications without the direct supervision of a foreman or superintendent); Push Cat; Scrapers (up to and including 20 cu. yds); Self-propelled Compactor with Dozer; Self-Propelled, Rubber-Tired Earthmoving Equipment (up to and including 20 cu. yds) (621 Band and similar); Sheep's Foot; Tractor (D-8 and similar); Tractors with boom (larger than D-6, and similar).

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GROUP 10: Chicago Boom; Cold Planers; Heavy Duty Repairman or welder; Hoist and/or winch (3 drums); Hydraulic Skooper (Koehring and similar); Loader (over 6 cu. yds. up to and including 12 cu. yds.); Saurman type Dragline (over 5 cu. yds.); Self-propelled, rubber-tired Earthmoving Equipment (over 20 cu. yds. up to and including 31 cu. yds.) (637D and similar); Soil Stabilizer (P & H or equal); Sub-Grader (Gurries or other automatic type); Tractors (D-9 or equivalent, all attachments); Tractor (Tandem Scraper); Watch Engineer.

GROUP 10A: Boat Operator; Cable-operated Crawler Crane (up to and including 25 tons); Cable-operated Power Shovel, Clamshell, Dragline and Backhoe (up to and including 1 cu. yd.); Dozer D9-L; Dozer (D-10, HD41 and similar) (all attachments); Gradall (up to and including 1 cu. yd.); Hydraulic Backhoe (over 3/4 cu. yds. up to and including 2 cu. yds.); Mobile Truck Crane Operator (up to and including 25 tons) (Mobile Truck Crane Driver Required); Self-propelled Boom Type Lifting Device (Center Mount) (up to and including 25 tons) (Grove, Drott, P&H, Pettibone and similar); Trencher (over 6 feet and 750 h.p. or more); Watch Engineer (steam or electric).

GROUP 11: Automatic Slip Form Paver (concrete or asphalt); Band wagon (in conjunction with Wheel Excavator); Cable-operated Crawler Cranes (over 25 tons but less than 50 tons); Cable-operated Power Shovel, Clamshell, Dragline and Backhoe (over 1 cu. yd. up to 7 cu. yds.); Gradall (over 1 cu. yds. up to 7 cu. yds.); DW-10, 20, etc. (Tandem); Earthmoving Machines (multiple propulsion power units and 2 or more Scrapers) (up to and including 35 cu. yds., "struck" m.r.c.); Highline Cableway; Hydraulic Backhoe (over 2 cu. yds. up to and including 4 cu. yds.); Leverman; Lift Slab Machine; Loader (over 12 cu. yds); Master Boat operator; Mobile Truck Crane Operator (over 25 tons but less than 50 tons); (Mobile Truck Crane Driver required); Pre-stress Wire Wrapping Machine; Self-propelled Boom-type Lifting Device (Center Mount) (over 25 tons m.r.c); Self-propelled Compactor (with multiple-propulsion power units); Single Engine Rubber Tired Earthmoving Machine (with Tandem Scraper); Tandem Cats; Trencher (pulling attached shield).

GROUP 12: Clamshell or Dipper Operator; Derricks; Drill Rigs; Multi-Propulsion Earthmoving Machines (2 or more Scrapers) (over 35 cu. yds "struck" m.r.c.); Operators (Derricks, Piledrivers and Cranes); Power Shovels and Draglines (7 cu. yds. m.r.c. and over); Self-propelled rubber-tired Earthmoving equipment (over 31 cu. yds.) (657B and similar); Wheel Excavator (up to and including 750 cu. yds. per hour); Wheel Excavator (over 750 cu. yds. per hour).

GROUP 12A: Dozer (D-11 or similar or larger); Hydraulic Excavators (over 4 cu. yds.); Lifting cranes (50 tons and over); Pioneering Dozer/Backhoe (initial clearing and excavation for the purpose of providing access for other equipment where the terrain worked involves 1-to-1 slopes that are 50 feet in height or depth, the scope of this work does not include normal clearing and grubbing on usual hilly terrain nor the excavation work once the access is provided); Power Blade Operator (Cat 12 or equivalent or

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over); Straddle Lifts (over 50 tons); Tower Crane, Mobile; Traveling Truss Cranes; Universal, Liebherr, Linden, and similar types of Tower Cranes (in the erection, dismantling, and moving of equipment there shall be an additional Operating Engineer or Heavy Duty Repairman); Yo-Yo Cat or Dozer.

GROUP 13: Truck Driver (Utility, Flatbed, etc.)

GROUP 13A: Dump Truck, 8 cu.yds. and under (water level); Water Truck (up to and including 2,000 gallons).

GROUP 13B: Water Truck (over 2,000 gallons); Tandem Dump Truck, over 8 cu. yds. (water level).

GROUP 13C: Truck Driver (Semi-trailer. Rock Cans, Semi-Dump or Roll-Offs).

GROUP 13D: Truck Driver (Slip-In or Pup).

GROUP 13E: End Dumps, Unlicensed (Euclid, Mack, Caterpillar or similar); Tractor Trailer (Hauling Equipment); Tandem Trucks hooked up to Trailer (Hauling Equipment)

BOOMS AND/OR LEADS (HOURLY PREMIUMS):

The Operator of a crane (under 50 tons) with a boom of 80 feet or more (including jib), or of a crane (under 50 tons) with leads of 100 feet or more, shall receive a per hour premium for each hour worked on said crane (under 50 tons) in accordance with the following schedule:

Booms of 80 feet up to but not including 130 feet or Leads of 100 feet up to but not including 130 feet	0.50
Booms and/or Leads of 130 feet up to but not including 180 feet	0.75
Booms and/or Leads of 180 feet up to and including 250 feet	1.15
Booms and/or Leads over 250 feet	1.50

The operator of a crane (50 tons and over) with a boom of 180 feet or more (including jib) shall receive a per hour premium for each hour worked on said crane (50 tons and over) in accordance with the following schedule:

Booms of 180 feet up to and including 250 feet	1.25
Booms over 250 feet	1.75

\* ENGI0003-004 08/29/2011

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 34.97	23.94
Boat Operator.....	\$ 37.18	23.94
Master Boat Operator.....	\$ 37.33	23.94
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 37.69	23.94

	HI1_dvb	
GROUP 2.....	\$ 37.03	23.94
GROUP 3.....	\$ 36.63	23.94
GROUP 4.....	\$ 34.97	23.94
Dredging: (Derricks)		
GROUP 1.....	\$ 37.69	23.94
GROUP 2.....	\$ 37.03	23.94
GROUP 3.....	\$ 36.63	23.94
GROUP 4.....	\$ 34.97	23.94
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 37.33	23.94
GROUP 2.....	\$ 37.18	23.94
GROUP 3.....	\$ 37.03	23.94
GROUP 4.....	\$ 36.97	23.94
Group 5.....	\$ 36.63	23.94
Group 6.....	\$ 36.52	23.94
Group 7.....	\$ 34.97	23.94

#### CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

GROUP 1: Clamshell or Dipper Operator.  
 GROUP 2: Mechanic or Welder; Watch Engineer.  
 GROUP 3: Barge Mate; Deckmate.  
 GROUP 4: Bargeman; Deckhand; Fireman; Oiler.

#### HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

GROUP 1: Leverman.  
 GROUP 2: Watch Engineer (steam or electric).  
 GROUP 3: Mechanic or Welder.  
 GROUP 4: Dozer Operator.  
 GROUP 5: Deckmate.  
 GROUP 6: Winchman (Stern Winch on Dredge)  
 GROUP 7: Deckhand (can operate anchor scow under direction of  
 Deckmate); Fireman; Leveeman; Oiler.

#### DERRICK CLASSIFICATIONS

GROUP 1: Operators (Derricks, Piledrivers and Cranes).  
 GROUP 2: Saurman Type Dragline (over 5 cubic yards).  
 GROUP 3: Deckmate; Saurman Type Dragline (up to and  
 including 5 yards).  
 GROUP 4: Deckhand, Fireman, Oiler.

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ENGI0003-044 08/30/2010

	Rates	Fringes
Power Equipment Operators (PAVING)		
(10) Cold Planer.....	\$ 36.03	23.43
(10) Loader (2 1/2 cu. yds. and under).....	\$ 36.03	23.43
(10) Soil Stabilizer.....	\$ 36.03	23.43
(11) Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....	\$ 36.33	23.43
(3) Roller Operator (five tons and under).....	\$ 33.97	23.43
(5) Screed Person.....	\$ 34.55	23.43
(6) Combination Loader/Backhoe (up to 3/4 cu.yd.).....	\$ 35.20	23.43

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(6)Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals).....	\$ 35.20	23.43
(6)Roller Operator (over five tons).....	\$ 35.20	23.43
(7)Combination Loader/Backhoe (over 3/4 cu.yd.).....	\$ 35.52	23.43
(8) Asphalt Plant Operator..	\$ 35.63	23.43
Asphalt Concrete Material Transfer.....	\$ 34.87	23.18
Asphalt Raker.....	\$ 33.91	23.18
Asphalt Spreader Operator...	\$ 35.39	23.18
Grader.....	\$ 35.70	23.18
Laborer, Hand Roller.....	\$ 31.14	23.18

IRON0625-001 09/01/2009

	Rates	Fringes
Ironworkers:.....	\$ 32.50	26.01
a. Employees will be paid \$.50 per hour more while working in tunnels and coffer dams; \$1.00 per hour more when required to work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.		

LAB00368-001 08/29/2011

	Rates	Fringes
Laborers:		
Driller.....	\$ 31.30	15.91
Final Clean Up.....	\$ 21.70	11.47
Guniting Operator & High Scaler.....	\$ 30.80	15.91
Laborer I.....	\$ 30.30	15.91
Laborer II.....	\$ 27.70	15.91
Powderman.....	\$ 31.30	15.91
Window Washer (bosun chair).....	\$ 29.80	15.91

LABORERS CLASSIFICATIONS

Laborer I: Asbestos Removal Worker (EPA certified workers);  
Asphalt Laborer, Ironer, Raker, Luteman, and Handroller,  
and all types of Asphalt Spreader Boxes; Asphalt Shoveler;  
Assembly and Installation of Multiplates, Liner Plates,  
Rings, Mesh, Mats; Batching Plant (portable and temporary);  
Boring Machine Operator (under streets and sidewalks);  
Buggymobile; Burning, Welding, Signalling, Choke Setting,  
and Rigging in connection with Laborers' work (except  
demolition); Chainsaw, Faller, Logloader, and Bucker;  
Compactors (Jackson Jumping Jack and similar); Concrete  
Bucket Dumpman; Concrete Chipping; Concrete  
Chuteman/Hoseman (pouring concrete) (the handling of the  
chute from ready-mix trucks for such jobs as walls, slabs,  
decks, floors, foundations, footings, curbs, gutters, and  
sidewalks); Concrete Core Cutter (walls, Floors, and  
Ceiling); Concrete Grinding or Sanding; Concrete: Hooking  
on, signaling, dumping of concrete for tremie work over  
water on caissons, pilings, abutments, etc.; Concrete:  
Mixing, handling, conveying, pouring, vibrating, otherwise

placing of concrete or aggregates or by any other process; Concrete: Operation of motorized wheelbarrows or buggies or machines of similar character, whether run by gas, diesel, or electric power; Concrete Placement Machine Operator: operation of Somero Hammerhead, Copperheads, or similar machines; Concrete Pump Machine (laying, coupling, uncoupling of all connections and cleaning of equipment); Concrete and/or Asphalt Saw (walking or Handtype) (cutting walls or flatwork) (scoring old or new concrete and/or asphalt) (cutting for expansion joints) (streets and ways for laying of pipe, cable or conduit for all purposes); Concrete Shovelers/Laborers (Wet or Dry); Concrete Screeding for Rough Strike-Off: Rodding or striking-off, by hand or mechanical means prior to finishing; Concrete Vibrator Operator; Coring Holes: walls, footings, piers or other obstructions for passage of pipes or conduits for any purpose and the pouring of concrete to secure the hole; Curbing (Concrete and Asphalt); Curing of Concrete (impervious membrane and form oiler) mortar and other materials by any mode or method; Cut Granite Curb Setter (setting, leveling and grouting of all precast concrete or stone curbs); Cutting and Burning Torch (demolition); Dri Pak-It Machine; Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Fence and/or Guardrail Erector; Forklift (9 ft. and under); Grating and Grill work for drains or other purposes; Green Cutter of concrete or aggregate in any form, by hand, mechanical means, grindstone or air and/or water; Grout: Spreading for any purpose; Guinea Chaser (Grade Checker) for general utility trenches, sitework, and excavation; Headerboard Man (Asphalt or Concrete); Heat welder of Plastic (Laborers' AGC certified workers) (when work involves waterproofing for waterponds, artificial lakes and reservoir, or heat welding for sewer pipes); Heavy Highway Laborer (Rigging, signaling, handling, and installation of pre-cast catch basins, manholes, curbs and gutters); High Pressure Nozzlemans - Hydraulic Monitor (over 100# pressure); Installation of lightweight backfill; Jackhammer Operator; Jacking of slip forms: All semi and unskilled work connected therewith; Laying of all multi-cell conduit or multi-purpose pipe; Lead base paint abatement laborers (EPA certified workers); Magnesite and Mastic workers (Wet or Dry) (including mixer operator); Mason Tender, Mortar Man; Mortar Mixer (Block, Brick, Masonry, and Plastering); Nozzlemans (Sandblasting and/or water Blasting): handling, placing and operation of nozzle; Operation, Manual or Hydraulic jacking of shields and the use of such other mechanical equipment as may be necessary; Pavement Breakers; Paving, curbing and surfacing of streets, ways, courts, under and overpasses, bridges, approaches, slope walls, and all other labor connected therewith; Pilecutters; Pipe Accessment in place, bolting and lining up of sectional metal or other pipe including corrugated pipe; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit, and any other stationary-type of tubular device used for conveying of any substance or element, whether water, sewage, solid, gas, air, or other product whatsoever and without regard to the nature of material from which tubular material is fabricated; No-joint pipe and stripping of same,

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Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, treating Creosote and similar-type materials (6-inch) pipe and over); Piping: resurfacing and paving of all ditches in preparation for laying of all pipes; Pipe laying of lateral sewer pipe from main or side sewer to buildings or structure (except Contactor may direct work be done under proper supervision); Pipe laying, leveling and marking of the joint used for main or side sewers and storm sewers; Laying of all clay, terra cotta, ironstone, vitrified concrete or other pipe for drainage; Placing and setting of water mains, gas mains and all pipe including removal of skids; Plaster Mortar Mixer/Pump; Pneumatic Impact Wrench; Portable Sawmill Operation: Choker setters, off bearers, and lumber handlers connected with clearing; Posthole Digger (Hand Held, Gas, Air and Electric); Power Broom Sweepers (Small); Preparation and Compaction of roadbeds for railroad track laying, highway construction, and the preparation of trenches, footings, etc., for cross-country transmission by pipelines, electrical transmission or underground lines or cables (by mechanical means); Raising of structure by manual or hydraulic jacks or other methods and resetting of structure in new locations, including all concrete work; Ramming or compaction; Riprap, Stonepaver, and Rock Slinger (includes placement of stacked concrete, wet or dry and loading, unloading, signaling, slinging and setting of other similar materials); Rotary Scarifier (including multiple head concrete chipping Scarifier); Salamander Heater, Drying of plaster, concrete mortar or other aggregate; Scaffold Erector Leadman; Scaffolds: (Swing and hanging) including maintenance thereof; Scaler; Septic Tank/Cesspool and Drain Fields Digger and Installer; Shredder/Chipper (tree branches, brush, etc.); Stripping and Setting Forms; Stripping of Forms: Other than panel forms which are to be re-used in their original form, and stripping of forms on all flat arch work; Tampers (Barko, wacker, and similar type); Tank Scaler and Cleaners; Tarman; Tree Climbers and Trimmers; Trencher (includes hand-held, Davis T-66 and similar type); Trucks (flatbed up to and including 2 1/2 tons when used in connection with on-site Laborers' work; Trucks (Refuse and Garbage Disposal) (from job site to dump); Vibra-Screed (Bull Float in connection with Laborers' work); Well Points, Installation of or any other dewatering system.

Laborer II: Air Blasting; Appliance Handling (job site) (after delivery and unloading in storage area); Asphalt Plant Laborer; Backfilling, Grading and all other labor connected therewith; Boring Machine; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning and Clearing of all debris; Cleaning, clearing, grading and/or removal for streets, highways, roadways, aprons, runways, sidewalks, parking areas, airports, approaches, and other similar installations; Cleaning or reconditioning of streets, ways, sewers and waterlines, all maintenance work and work of an unskilled and semi-skilled nature; Cleanup of Grounds and Buildings (other than "Light Clean-Up") (Janitorial Laborer); Clean-up of right-of-way; Clearing and slashing of brush or trees by hand or mechanical cutting; Concrete Bucket Tender (Groundman) hooking and unhooking of bucket; Concrete Forms; moving, cleaning, oiling and carrying to the next point of erection



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of all forms; Concrete Products Plant Laborers; Conveyor Tender (conveying of building materials); Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Crushed Stone Yards and Gravel and Sand Pit Laborers and all other similar plants; Demolition, Wrecking and Salvage Laborers: wrecking and dismantling of buildings and all structures, with use of cutting or wrecking tools, burning or cutting, breaking away, cleaning and removal of all masonry, wood or metal fixtures for salvage or scrap, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets, roadways, aprons or other paved surfaces; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Excavation, Preparation of street ways and bridges; Fence and/or Guardrail Erector: Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, establishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; Garbage and Debris Handlers and Cleaners; Gas, Pneumatic, and Electric Tools, not listed Group 1 (except Rototiller); General Clean-up: sweeping, cleaning, washdown, wiping of construction facility, and equipment (other than "Light Clean-up" [Janitorial] Laborer); General Excavation and Grading (all labor connected therewith); Digging of trenches, ditches and manholes and the leveling, grading and other preparation prior to laying pipe or conduit for any purpose; Excavations and foundations for buildings, piers, foundations and holes, and all other construction; General Laborer; Ground and Soil Treatment work (Pest Control); Junk Yard Laborers (same as Salvage Yard); Landscape Nursery Laborers; Laser Beam "Target Man" in connection with Laborers' work; Layout Person for Plastic (when work involves waterproofing for waterponds, artificial lakes and reservoirs); Limbers, Brush Loaders, and Pilers; Loading, Unloading, carrying, distributing and handling of all rods and material for use in reinforcing concrete construction (except when a derrick or outrigger operated by other than hand power is used); Loading, unloading, sorting, stockpiling, handling and distribution of water mains, gas mains and all pipes; Loading and unloading of all materials, fixtures, furnishings and appliances from point of delivery to stockpile to point of installation; hooking and signalling from truck, conveyance or stockpile; Material Yard Laborers; Pipelayer Tender; Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, Creosote, and similar-type materials (pipe under 6 inches); Plasterer Laborer (including Hod Carrier); Preparation, construction and maintenance of roadbeds and sub-grade for all paving, including excavation, dumping, and spreading of sub-grade material; Prestressed or precast concrete slabs, walls, or sections: all loading, unloading, stockpiling, hooking on of such slabs, walls or sections; Quarry Laborers; Railroad, Streetcar, and Rail Transit Maintenance and Repair; Removal of surplus material; Roustabout; Rubbish Trucks in connection with Building Construction Projects (excluding clearing, grubbing, and excavating); Salvage Yard: All work connected with cutting, cleaning, storing, stockpiling or handling of materials, all cleanup, removal of debris, burning, back-filling and

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landscaping of the site; Sandblasting (Pot Tender): Hoses and pots or markers; Scaffolds: Erection, planking and removal of all scaffolds used for support for lathers, plasters, brick layers, masons, and other construction trades crafts; Scaffolds: (Specially designed by carpenters) laborers shall tend said carpenter on erection and dismantling thereof, preparation for foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalpers; Sign Erector (subdivision traffic, regulatory, and street-name signs); Sloper; Slurry Seal Crews (Mixer Operator, Applicator, Squeegee Man, Shuttle Man, Top Man); Snapping of wall ties and removal of tie rods; Soil Test operations of semi and unskilled labor such as filling sand bags; Stripper (Asphalt, Concrete or other Paved Surfaces); Tagging and Signaling of all building materials into high-rise units; Tool Room Attendant (Job Site); Traffic Delineating Device Applicator; Underpinning, lagging, bracing, propping and shoring, loading, signaling, right-of-way clearance along the route of movement, The clearance of new site, excavation of foundation when moving a house or structure from old site to new site; Utilities employees; Water Man; Waterscape/Hardscape Laborers; Wire Mesh Pulling (all concrete pouring operations); Wrecking, stripping, dismantling and handling concrete forms an false work.

LAB00368-002 08/29/2011

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1.....	\$ 21.70	8.52
GROUP 2.....	\$ 22.20	8.52
GROUP 3.....	\$ 18.20	8.52

#### LABORERS CLASSIFICATIONS

GROUP 1: Installation of non-potable permanent or temporary irrigation water systems performed for the purposes of Landscaping and Irrigation architectural horticultural work; the installation of drinking fountains and permanent or temporary irrigation systems using potable water for Landscaping and Irrigation architectural horticultural purposes only. This work includes (a) the installation of all heads, risers, valves, valve boxes, vacuum breakers (pressure and non-pressure), low voltage electrical lines and, provided such work involves electrical wiring that will carry 24 volts or less, the installation of sensors, master control panels, display boards, junction boxes, conductors, including all other components for controllers, (b) and metallic (copper, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe including all work incidental thereto, i.e., unloading, handling and distribution of all pipes fittings, tools, materials and equipment, (c) all soldering work in connection with the above whether done by torch, soldering iron, or other means; (d) tie-in to main lines, thrust blocks (both

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precast and poured in place), pipe hangers and supports incidental to installation of the entire irrigation system, (e) making of pressure tests, start-up testing, flushing, purging, water balancing, placing into operation all irrigation equipment, fixtures and appurtenances installed under this agreement, and (f) the fabrication, replacement, repair and servicing of landscaping and irrigation systems. Operation of hand-held gas, air, electric, or self-powered tools and equipment used in the performance of Landscape and Irrigation work in connection with architectural horticulture; Choke-setting, signaling, and rigging for equipment operators on job-site in the performance of such Landscaping and Irrigation work; Concrete work (wet or dry) performed in connection with such Landscaping and Irrigation work. This work shall also include the setting of rock, stone, or riprap in connection with such Landscape, Waterscape, Rockscape, and Irrigation work; Grubbing, pick and shovel excavation, and hand rolling or tamping in connection with the performance of such Landscaping and Irrigation work; Sprigging, handseeding, and planting of trees, shrubs, ground covers, and other plantings and the performance of all types of gardening and horticultural work relating to said planting; Operation of flat bed trucks (up to and including 2 1/2 tons):.

GROUP 2. Layout of irrigation and other non-potable irrigation water systems and the layout of drinking fountains and other potable irrigation water systems in connection with such Landscaping and Irrigation work. This includes the layout of all heads, risers, valves, valve boxes, vacuum breakers, low voltage electrical lines, hydraulic and electrical controllers, and metallic (coppers, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe. This work also includes the reading and interpretation of plans and specifications in connection with the layout of Landscaping, Rockscape, Waterscape, and Irrigation work; Operation of Hydro-Mulching machines (sprayman and driver), Drillers, Trenchers (riding type, Davis T-66, and similar) and fork lifts used in connection with the performance of such Landscaping and Irrigation work; Tree climbers and chain saw tree trimmers, Sporadic operation (when used in connection with Landscaping, Rockscape, Waterscape, and Irrigation work) of Skid-Steer Loaders (Bobcat and similar), Cranes (Bantam, Grove, and similar), Hoptos, Backhoes, Loaders, Rollers, and Dozers (Case, John Deere, and similar), Water Trucks, Trucks requiring a State of Hawaii Public Utilities Commission Type 5 and/or type 7 license, sit-down type and "gang" mowers, and other self-propelled, sit-down operated machines not listed under Landscape & Irrigation Maintenance Laborer; Chemical spraying using self-propelled power spraying equipment (200 gallon capacity or more).

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not "take" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and runing, including the use of "weed eaters", hedge trimmers, vacuums, blowers, and other

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hand-held gas, air, electric, or self-powered tools, and the operation of lawn mowers (Note: The operation of sit-down type and "gang" mowers shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer, Group 2); Guywiring, staking, propping, and supporting trees; Fertilizing, Chemical spraying using spray equipment with less than 200 gallon capacity, Maintaining irrigation and sprinkler systems, including the staking, clamping, and adjustment of risers, and the adjustment and/or replacement of sprinkler heads, (Note: the cleaning and gluing of pipe and fittings shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer(Group 1); Watering by hand or sprinkler system and the performance of other types of gardening, yardman, and horticultural-related work.

LAB00368-003 08/29/2011

	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 30.90	15.91
GROUP 2.....	\$ 32.40	15.91
GROUP 3.....	\$ 32.90	15.91
GROUP 4.....	\$ 33.90	15.91
GROUP 5.....	\$ 34.15	15.91
GROUP 6.....	\$ 34.25	15.91
GROUP 7.....	\$ 34.50	15.91

GROUP 1: Watchmen; Change House Attendant.

GROUP 2: Swamper; Brakeman; Bull Gang-Muckers, Trackmen; Dumpmen (any method); Concrete Crew (includes rodding and spreading); Grout Crew; Reboundmen

GROUP 3: Chucktenders and Cabetenders; Powderman (Prime House); Vibratorman, Pavement Breakers

GROUP 4: Miners - Tunnel (including top and bottom man on shaft and raise work); Timberman, Retimberman (wood or steel or substitute materials thereof); Blasters, Drillers, Powderman (in heading); Microtunnel Laborer; Headman; Cherry Picker (where car is lifted); Nipper; Grout Gunmen; Grout Pumpman & Potman; Gunite, Shotcrete Gunmen & Potmen; Concrete Finisher (in tunnel); Concrete Screed Man; Bit Grinder; Steel Form Raisers & Setters; High Pressure Nozzlemans; Nozzlemans (on slick line); Sandblaster-Potman (combination work assignment interchangeable); Tugger

GROUP 5: Shaft work & Raise (below actual or excavated ground level); Diamond Driller; Gunite or Shotcrete Nozzlemans; Rodman; Groundman

GROUP 6: Shifter

GROUP 7: Shifter (Shaft Work & Raiser)

\* PAIN1791-001 07/01/2011

	Rates	Fringes
Painters:		
Brush.....	\$ 33.60	23.90
Sandblaster; Spray.....	\$ 33.60	23.90

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PAIN1889-001 07/01/2011

	Rates	Fringes
Glaziers.....	\$ 32.05	24.22

PAIN1926-001 07/01/2011

	Rates	Fringes
Soft Floor Layers.....	\$ 28.12	20.98

PAIN1944-001 01/01/2011

	Rates	Fringes
Taper.....	\$ 39.00	16.40

PLAS0630-001 08/29/2011

	Rates	Fringes
PLASTERER.....	\$ 34.69	22.62

PLAS0630-002 08/29/2011

	Rates	Fringes
Cement Masons:		
Cement Masons.....	\$ 33.85	22.62
Trowel Machine Operators....	\$ 34.00	22.62

PLUM0675-001 07/03/2011

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...	\$ 36.10	22.26

ROOF0221-001 09/25/2011

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	\$ 36.10	16.13

SHEE0293-001 08/28/2011

	Rates	Fringes
Sheet metal worker.....	\$ 34.65	21.71

SUHI1997-002 09/15/1997

	Rates	Fringes
Drapery Installer.....	\$ 13.60	1.20

RIGGERS; WELDERS - Receive rate prescribed for craft performing operation to which rigging or welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5 (a) (1) (ii)).  
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In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.  
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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

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Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

## **PRE-PROPOSAL CONFERENCE NOTES**

**Project:** Freeway Management System, Phase 1B, Traffic Operations Center, Unit 5A: Videowall, Island of Oahu. Federal-Aid Project No. IM-0300(118)-R.

**Subject:** Non-mandatory Pre-proposal Conference

**Date/Time:** November 2, 2011 / 9:00 AM – 10:00 AM

**Held:** State Department of Transportation, Highways Division, H-3 Traffic Operations Center

**Present:** See attached lists of attendees

**Discussed:**

### **A. HWY-TO opens meeting at 9:00 A.M.:**

1. Pre-proposal conference is non-mandatory and is intended for clarification prior to bidding.
2. If you haven't done so yet, please sign in.
3. Any discrepancies will be addressed by addendum.
4. Offerors have until November 16, 2011 to submit any questions.
5. The minutes to this meeting will be distributed via an addendum.
6. Proposal due date is scheduled for 2:00 P.M., December 15, 2011.
7. This meeting will be held open until 9:30 A.M. to assure all prospective offerors have the opportunity to attend this Pre-proposal conference.
8. Brief project overview.
9. Visit control room to view existing video wall and room layout.
10. Visit equipment room (downstairs) to view rack space and cabling into control room.

### **B. Open discussion to prospective offerors:**

Q: What is the specification for the new video wall?

A: Offerors should refer to Technical Provisions 2.02.01 – Task 1: Video Wall System Design as well as Exhibit C – Requirements Matrix.



Q: Are we making any allowance for other technologies?

A: Technical Provisions 2.02.01 – Task 1: Video Wall System Design states that alternate configurations and technologies may be listed if they provide advantages in quality, price, maintainability, or other desirable characteristics.

Q: The RFP requires 4 support structures. Is this necessary? Support structures may be available with other configurations (other than 1 per cube across the video wall width).

A: The intent is that the support structure provide a sturdy, structurally sound frame for the video wall. Having a separate support structure for each cube across its width is not important.

*Additional information: Will be addressed via addendum.*

Q: The RFP refers to a HDOT-approved material and trim. Does HDOT want the trim of the existing video wall replicated?

A: We'll get back to you.

*Additional information: Although HDOT would accept a replicated trim finish of the existing video wall (i.e., matte black), HDOT is seeking a look that matches the decor of the operation room and is open to other finishes. Offerors should include a palette of available finishes in its proposal.*

Q: What are the requirements for TOC operations while this work is on going? Are there requirements for phased work or parallel operations?

A: It is extremely important that the Contractor minimize disruption and noise as the operators will continue to work in the operations room while this work is being done.

*Additional information: Technical Provisions 2.02.02 – Task 2: Dismantling and Disposal of Existing Video Wall Equipment and Installation of New Video Wall states, "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."*

Q: The RFP has specifications for the video wall but not for the ancillary equipment. Is the ancillary equipment open for the Offerors to choose?

A: Offerors should refer to Exhibit C – Requirements Matrix as well as Technical Provisions 2.02 – Scope of Work.

Q: What ancillary equipment is being replaced as part of this work? Can a network or configuration diagram be provided to confirm what is being replaced?

A: The scope includes the replacement of the existing video wall. No ancillary equipment is being replaced. The existing video switch will remain.

Q: What is the contract requirement for allowable downtime?

A: We'll get back to you.

*Additional information: There should be no need for downtime.*

Q: The RFP states the required inputs into the cubes. Is it allowable if these inputs are provided at the video controller instead?

A: We'll get back to you.

*Additional information: Requirement 2.03.07 of the Requirements Matrix will be revised via addendum.*

Q: Will the Contractor be allowed to use H-3 TOC toilet facilities? What about drinking water? What about allowable work hours?

A: The H-3 TOC tap water is non-potable. The Contractor will be required to provide its own drinking water. The Contractor will be responsible for removing all trash it generates every day.

*Additional information: The Contractor will be allowed to use H-3 TOC toilet facilities. The Contractor will not be allowed to use the H-3 TOC break room. Work hours will be addressed via addendum.*

Q: Are there bonding or licensing requirements?

A: Yes. Offerors should refer to the Special Provisions as well as the Hawaii Standard Specifications for Road and Bridge Construction, 2005.

*Additional information: The Hawaii Standard Specifications for Road and Bridge Construction, 2005 is available online at:*

*<http://hawaii.gov/dot/highways/specifications2005/specifications/spectble.htm>*

Q: Is the existing console being replaced?

A: No, the existing console will remain.

Q: Will the support structure be anchored to the subfloor? I believe by Code, the structure should not be anchored to the raised floor.

A: We will get back to you.

*Additional information: Will be addressed via addendum.*

Q: Do we have as-builts of the subfloor? Is there any question about structural capacity?

A: We will get back to you.

*Additional information: Will be addressed via addendum.*

Q: Are you expecting an IT rack, which is 36-inches deep? Our equipment would require it.

A: We will get back to you.

*Additional information: The rack provided should be large enough to accommodate the Offeror's equipment.*

Q: Do we need to talk to the Javelin switch? Maybe you should consider upgrading the switch as part of this project as that would make the project simpler. Are you planning to control camera PTZ through the video wall?

A: We will get back to you.

*Additional information: Modification or upgrade of the existing Javelin switch is not part of this project.*

Q: If the H-3 SCADA is run on the same computer as the video controller, you won't be limited to DVI resolution when you put the SCADA display on the new video wall.

A: We will get back to you.

*Additional information: Will be addressed via addendum.*

Q: Are we using the existing cabling?

A: We will get back to you.

*Additional information: Technical Provisions Section 2.02.01 states, "The design shall include all cabling necessary to complete installation of the system." The Contractor may choose to utilize existing cabling but will accept all responsibility for its performance.*

Q: What are the personal protective equipment requirements?

A: The Contractor will need to provide and use all the required personal protective equipment for its work. This may include safety glasses, steel toed boots, etc. In addition, MSDS documentation shall be provided for any materials used that require them.

Meeting Adjourned at 10:30 A.M.

Prepared by: HWY-TO

sign in

PRE-PROPOSAL CONFERENCE  
FREEWAY MANAGEMENT SYSTEM, PHASE 1B, TRAFFIC OPERATIONS CENTER,  
UNIT 5A: VIDEO WALL, ISLAND OF OAHU, F.A.P. No. IM-0300(118)-R  
9:00 a.m. November 2, 2011  
DOT H-3 Traffic Operations Center

Name	Company	E-mail Address
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FREEWAY MANAGEMENT SYSTEM, PHASE 1B, TRAFFIC OPERATIONS CENTER,  
 UNIT 5A: VIDEOWALL, ISLAND OF OAHU, F.A.P. No. IM-0300(118)-R  
 9:00 a.m. November 2, 2011  
 DOT H-3 Traffic Operations Center

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