STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

FOR

INTERSTATE H-1, SEISMIC RETROFIT
KAPIOLANI INTERCHANGE, PHASE 2
FEDERAL-AID PROJECT NO. BR-H1-1(226)
DISTRICT OF HONOLULU, ISLAND OF HAWAII

2003

Amend Bid Documents as follows:

1. NOTICE TO BIDDERS

   a. Prospective bidders are hereby notified that the receiving of sealed proposals on January 23, 2003, will be postponed until 2:00 p.m., February 27, 2003. The attached Notice to Bidders shall be incorporated and made a part of the Notice to Bidders.

2. SPECIAL PROVISIONS

   a. Replace pages 104-6a to 104-9a dated r10/11/02 with the attached pages 104-6a to 104-9a dated r1/14/03.

   b. Replace pages 107-3a to 107-10a dated 9/04/02 with the attached pages 107-3a to 107-11a dated r1/14/03.

   c. Replace pages 108-2a to 108-3a dated 9/01/02 with the attached pages 108-2a to 108-3a dated r1/14/03.

   d. Replace page 206-5a dated r9/20/02 with the attached page 206-5a dated r1/14/03.

   e. Replace pages 209-1a to 209-6a dated r10/31/02 with the attached pages 209-1a to 209-6a dated r1/14/03.

   f. Replace page 629-11a dated r10/31/02 with the attached page 629-11a dated r1/14/03.

3. FEDERAL WAGE RATES

a. Replace the Federal Wage Rates dated 11/15/2002 with the attached Federal Wage Rates dated 1/10/2003.

4. PROPOSAL SCHEDULE

a. Replace pages P-8 and P-10 dated r11/12/02 with the attached P-8 and P-10 dated r1/14/03.

5. MANDATORY PRE-BID MEETING MINUTES

a. Attached are the January 8, 2003 mandatory pre-bid meeting minutes and attendance sheet for your information.

6. PLANS

a. On Plan Sheet No. 9, add the following note: "Left over or remnant steel piles shall be disposed of at no cost to the State. Restore storage areas to same as surrounding area or better, at no extra cost to the State."

b. Replace Plan Sheet No. 12 with the attached Plan Sheet No. ADD.12.

c. On Plan Sheet No. 30, add the following to the Notes for Pre-Drilling Requirements for Piers 18 & 21 Footings Retrofits:

"5. Determine outline of existing footings before driving sheetpiles and pre-drilling and driving footing piles.

6. At Pier 21, sheetpile cofferdam shall be made watertight. Place concrete in dry excavation.

7. After over-reaming of pre-drilled holes, keep earth out of the annular spaces between the piles and over-reamed holes. Provide temporary casings for over-reamed holes. After placing piles, fill annular spaces completely with pea gravel concrete."

for RODNEY K. HARAGA
Director of Transportation

NOTICE TO BIDDERS

The receiving of SEALED PROPOSALS for INTERSTATE H-1, SEISMIC RETROFIT, KAPIOLANI INTERCHANGE, PHASE 2, FEDERAL-AID PROJECT NO. BR-H1-1(226), DISTRICT OF HONOLULU, ISLAND OF OAHU, scheduled for January 23, 2003 at 2:00 p.m., at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813 is hereby POSTPONED UNTIL 2:00 p.m., February 27, 2003, at which time and place the sealed proposals will be publicly opened and read.

for RODNEY K. HARAGA
Director of Transportation

Advertised: Honolulu Star Bulletin
January 22, 2003

contract items and the Department will not make additional compensation.

Do not store material or equipment where the material or equipment will interfere with public traffic. Remove equipment and other obstructions to permit free and safe passage of public traffic when each day's work ends or if suspension of construction operations occurs.

Traffic incidental to other construction projects that abuts the principal routes of travel are part of the public traffic and shall be as required by contract.

The Contractor shall bear expenses of maintaining traffic over the section of road undergoing improvement or repair. Also, bear expenses of constructing, maintaining, removing, and furnishing approaches, crossings, intersections, and flaggers and their equipment, without direct compensation. Exceptions are as follows:

(1) Special Detours. The Department will cover payment for cost of constructing, maintaining, and removing such detour(s) when the proposal contains an item for "Construction and Maintenance of Detours". Also, the Department will include payment for the construction and removal of temporary bridges and accessory features. The Department will furnish right-of-way for temporary highways or bridges called for under this paragraph.

(2) Maintenance of Traffic During Suspension of Work. Provide safe passage for public traffic through the work site according to Subsection 108.06 - Temporary Suspension of Work.

(3) Special Maintenance Specified by the Engineer. The Engineer will pay the Contractor on the basis of unit prices or under Subsection 104.03 - Extra Work if the Engineer specifies the special maintenance. The Engineer will be the sole judge of work to be classified as special maintenance.

(B) Traffic Maintenance Plans. Submit in writing traffic maintenance plans and schedules, including plans and schedules for traffic detours, road or lane closures, lane switches and the placement of temporary traffic control devices, warning signs, barricades and other protective devices, to the Engineer for acceptance at least ten working days before the date such work is scheduled to begin.

Such plans and schedules shall contain:

(1) a brief description of the work,

(2) dates of work,

(3) times of day affected,

(4) proposed public information sign, and

(5) proposed news release.

(6) detour layout plans.

If doing work in a city or town, give the Fire Department at least 24 hours notice in writing before blocking or closing off access to streets. Keep fire hydrants accessible to the Fire Department. Do not place material or other obstruction closer to a fire hydrant than permitted by ordinances, rules or regulations. If there are no ordinances, rules or regulations, do not place material or other obstruction within 5 feet of a fire hydrant.

Make arrangements according to the contract for emergency work that may be required when work is not in progress.

The Contractor is allowed to close one traffic lane only during the following hours:

H-1 Eastbound and Ramps, no lane closures allowed at all times

H-1 Westbound, for work at Pier 19,

Monday thru Friday 9:30 A.M. to 4:00 P.M.

Other Streets,

Monday thru Friday 8:30 A.M. to 3:00 P.M.

The Contractor shall not do work on Friday nights and Saturdays or as specified by the Engineer. Sunday's work will be part of Monday's working day.

Exception 1: The Engineer will permit the Kapiolani off-ramp to be closed during one weekend to perform the top deck repair work. The off-ramp shall be closed not sooner than 7:00 A.M. Saturday and shall be re-opened not later than 5:00 A.M. Monday.

Exception 2: The Engineer will permit the Contractor to close not more than one lane of traffic at any given time to perform the work to change the lane widths on H-1 inbound, including eradication of existing striping, installation of new striping, and installation and removal of traffic control signs, portable traffic barriers, and other devices. Both the work to decrease the lane widths before commencing with the Pier 19 footing retrofit work and the work to restore the lane widths after completing the

Pier 19 footing retrofit shall be done within a period of one week (seven days) and during the following hours:

Monday thru Friday	12:01 A.M. to 5:00 A.M.
Monday thru Thursday	7:00 P.M. to 12:00 Midnight
Sunday	9:30 A.M. to 12:00 Midnight
Friday night and Saturday	Not allowed

Exceptions to the above lane and off-ramp closure hours shall require the Engineer's acceptance in writing.

The Engineer will permit the Contractor to close only one lane of traffic during its working hours. During peak hours and non-working hours, keep all lanes open to traffic and allow traffic to flow at the posted speed limit.

Failure to open lanes to traffic beyond the above lane closure hours shall result in assessment of liquidated damages as specified in Section 108.08 - Liquidated Damages and Failure to Complete on Time.

The Contractor shall not conduct operations on any roadway involving traffic lane closures or slowdown of traffic on the following dates:

(1) The day preceding a holiday from 3:00 PM to Midnight,
(2) All State Holidays,
(3) The Thanksgiving Holiday weekend (Thursday, Friday, Saturday and Sunday),
(4) The two week holiday period for Christmas and New Years, and
(5) The three week period for the Beat the School Jam beginning on the third week of August.

Notify the State and County transportation agencies including Bus Systems Division, Police Department, Fire Department, Ambulance Service, and the Department of Health in writing at least five days before the start of construction.

Construct, install, maintain, and remove two advisory signs as specified by the Engineer. Place the signs within the project limits. The signs shall have black letters on orange background. The minimum size of the signs shall be four feet high by eight feet wide.

The sign message shall include the starting date, hours, limits and duration of construction. The height of the letters shall be 8 inches, Series D. If accepted by the Engineer, the Contractor may use a

minimum height of 6 inches, Series D. The Engineer will review and accept the advisory sign wording before installing. Install the advisory sign two weeks before the start of construction.

Take measures necessary to insure that safe and easily accessible passage is provided for pedestrians who must travel in or near the construction zone.

The Engineer will consider payment for furnishing, placing, maintaining and removing the advisory signs and insuring safe and accessible passage for pedestrians included in the bid price of the various contract items. The Engineer will pay additional advisory signs as specified by the Engineer under Additional Police Officers and/or Additional Traffic Control Devices.

Submit requests for review and acceptance of detours and lane closures that will impact traffic during peak hours before scheduling the work to begin as follows:

(1) detours - 8 weeks, and
(2) lane closures - 6 weeks.

Also, these requests shall include:

(1) An explanation of proposed changes to the existing traffic pattern;
(2) A schedule of when installing informational and traffic control signs;
(3) A schedule of when publishing advertisements;
(4) A plan showing the proposed informational and traffic control signs; and
(5) A plan showing the lane changes or detours. Plans for multi-lane highway lane changes and detours shall include details of the beginning of the lane changes or detours.

The Engineer will not make payment for reviewing request submittals.

(C) Advertisement. If requested by the Engineer, place an advertisement in the newspaper for the following traffic pattern changes in operation during peak hours or night work:

(1) Detours;
(2) Lane closure;
(3) Permanent road closure; and
(4) Permanent new route that changes a previous route.

non-federal-aid project, and for federal-aid projects, the bidder must have the required license prior to the award of the project and all subcontractors prior to the start of the subcontracted work."

(V) Amend **107.08 Permits, Licenses, And Taxes** by adding the following paragraph:

"The Contractor shall be responsible in meeting the requirements of the grading, noise, and National Pollutant Discharge Elimination System (NPDES) permits and licenses needed to do its work on a timely basis.

The Contractor shall be responsible in getting the necessary permits and licenses, unless noted otherwise.

(A) Water Quality Permits. The State has made applications for the following permits:

Hawaii Department of Health CWB-WQC Application for Section 401 Water Quality Certification.

Hawaii Department of Health CWB-NOI Form G Notice of General Permit Coverage (NGPC) Authorizing Discharges Associated with Construction Activity Dewatering. See Subsection 206.03 (F).

Department of Army Permit.

The State will make an application for the Hawaii Department of Health CWB-NOI Form C for NGPC for Discharges of Storm Water Associated with Construction Activities. See Subsection 2.09.04.

Continued processing of permits is subject to preparation and submittal of Contractor's Site Specific Best Management Practices (SSBMP) plan, acceptable to the Department of Health.

Contractor shall prepare and submit it's acceptable SSBMP plan, within 14 calendar days of the Award of contract, before the Notice to Proceed is given. Submittal shall also identify Contractor information and key project personnel, including 24-hour phone numbers, project schedule, mitigation and restoration plan, preconstruction and construction dewatering effluent sampling and analysis plan.

Contractor's dewatering plan and related BMP submittals shall be prepared by a licensed Civil Engineer registered in the State of Hawaii, and shall bear his stamp and signature. The licensed Civil Engineer shall have a minimum of 5 years experience in designing dewatering plans and preparing submittals for dewatering permits. Acceptance of the

Contractor's dewatering plan and related BMP shall not relieve the Contractor of any responsibility with respect to the adequacy and performance of his dewatering plan and the related BMP.

(B) Noise Variance. The State has applied for a Community Noise Variance application for the below-listed work portions of this project through the Department of Health according to "Hawaii Administrative Rules Title 11, Chapter 11-46-8". Should the Department of Health modify, suspend or deny the request for Community Noise Variance, the State will have the right to have part or all of the contracted work done during the day. The Engineer and Contractor will negotiate compensation for doing such work during the day.

The Community Noise Variance application requests permission for the Contractor to work on the Kapiolani off-ramp deck slab repair work during one weekend from:

Saturday 7:00 A.M. to 12:00 midnight

Sunday 12:01 A.M. to 12:00 midnight

Monday 12:01 A.M. to 5:00 A.M.

and to change lane widths on H-1 Highway Westbound, one week to decrease lane width before Pier 19 footing retrofit and one week to restore lane widths after Pier 19 footing retrofit during the following hours:

Workday - 7:00 P.M. to 12:00 Midnight to 5:00 A.M.

Saturday, Sunday and Holiday - 6:00 P.M. to 12:00 Midnight to 7:00 A.M.

subject to the following conditions during the variance hours:

(1) The Contractor shall notify the Noise and Radiation Branch, State Department of Health and the Resident Engineer in writing as to the date, type of acitivity, and the time of variance-hours activity within 48 hours of said activity.

(2) The Contractor shall use muffled construction equipment properly.

(3) The Contractor shall disconnect reverse signal alarms.

The Contractor is required to comply with the conditions of the variance and as indicated in the contract or as amended. The Engineer will not consider revocation of the variance, amendments to the variance conditions or the Contractor's noncompliance with the conditions under which the Contractor will operate the equipment vehicles.

In case of conflict, the more restrictive lane closure restriction hours specified in Subsection 104 shall take precedence over the Community Noise Variance hours.

(C) Changes and Delays. If the Contractor decides to revise working methods that delays obtaining grading, noise, and/or NPDES permits, the Contractor shall be responsible for the delays.

Delays in obtaining the permits and licenses and delays caused by failure to meet the requirements of the permits and licenses shall not be cause for time extension or cost increase."

(VI) Delete **107.11 Federal Aid Provisions** in its entirety.

(VII) Amend **107.12 Sanitary, Health, Aand Safety Provisions** to read as follows:

"**107.12 Sanitary, Health, And Safety Provisions.** The employees shall not work in conditions that are unsanitary, hazardous or dangerous to its health or safety. Provide and maintain sanitary, health and safety provisions for its employees according to the Department and local Boards of Health.

The Contractor is directed to the Federal, State, and County laws, rules, and regulations concerning construction safety and health standards."

(VIII) Amend **107.13 Public Convenience and Safety** to read as follows:

"**107.13 Public Convenience and Safety.** Provide for the safety and convenience of the public and the protection of people and property according to Subsection 104.04 - Maintenance of Traffic."

(IX) Delete **107.14 Barricades and Warning Signs** in its entirety.

(X) Amend **107.15 Use of Explosives or Combustibles** to read as follows:

"**107.15 Use of Explosives.** When the use of explosives or combustibles is necessary, do not endanger life or property including the new work. The Contractor shall be responsible for damages and injuries resulting from the use of explosives.

The storage and use of explosives shall be according to Section 396-9, HRS.

Notify each public utility company working near the work site in writing of its intentions to use explosives. Give 10 working days notice.

Use only electric detonators for blasting. Do not use common fuses."

(XI) Amend **107.17 Protection of Rivers, Streams, Impoundments, Forests and Archeological, Historical, and Burial Site Findings** as follows:

Amend **(B) Pollution** by adding the following after the first paragraph:

"The Contractor shall dispose of hazardous waste material according to local or State regulation or by the manufacturer and instruct the project personnel of these regulations. The Contractor shall be responsible for seeing that these regulations are followed."

(XII) Amend **107.21 Contractor's Responsibility for Utility Property and Services** as follows:

Amend **(B)(5)** to read as follows:

"**(5)** The Contractor shall obtain an excavation permit two weeks before starting construction for work greater than 12 inches in depth and/or the addition of new sign or guardrail posts. The Contractor shall obtain the permits from HECO's Mapping and Records Division located on the fourth floor at 820 Ward Avenue."

Amend **(D) Notes for Wastewater Management (DWM) Facilities** to read as follows:

"**(D) Notes for Wastewater Management (DWM) Facilities.**

(1) The Contractor shall perform all sewer construction according to the City's specifications, September 1986; the DWM's standard details, September 1984; current city practices and Revised Ordinances of Honolulu, 1990 as amended; and the Design Standards of the DWM, Volume 1, July 1993.

(2) The Contractor shall notify the Construction Section, DWM at 527-5820 or 523-4345 to arrange for inspection services and submit four sets of approved construction plans 7 days before commencement of sewer work.

(3) The Engineer will show on the plans the underground pipes, cables, or ductlines known to exist from the Engineer's research of records. The Contractor shall verify the location and depth of the facilities and exercise proper care in excavating the area. The Contractor shall be responsible and shall pay for all damaged utilities.

(4) The Contractor shall be responsible for maintaining continuous sewer service to all affected areas during construction.

(5) The Contractor shall be responsible for any sewage spills caused during construction. The Contractor shall notify the State Department of Health and utilize appropriate sampling and analyzing procedures. The Contractor shall be responsible for all public notification and press releases."

Amend **(E)(2)** by revising the telephone number "547-3575" in the second sentence of the second paragraph to read "594-5575".

(XIII) Add the following:

"**107.25 Contaminated and/or Hazardous Material.** The Contractor shall at all times conduct its operations according to all Federal and State permit requirements concerning the disposal of contaminated or hazardous materials. Permit requirements include those established by the federal regulations administered by the United States Coast Guard and the U.S. Army Corps of Engineers.

The Contractor shall require appropriate permits for all activities associated with or incidental to the Contractor's operations including those on the Project site and in all adjacent areas, waste and disposal areas, borrow and gravel banks, storage areas, haul roads, access roads, detours, field office areas, and any other temporary staging areas. The Contractor shall be responsible for, and hold the State harmless from, any penalties or fines which any authority may assess due to the Contractor's failure to comply with the terms of all applicable permit requirements.

The Contractor shall submit all applications and obtain all permits required for Contract work within the limits shown on the plans or identified elsewhere in the Contract documents.

The Contractor shall submit in writing any request for authorization of activities or methods not specifically called for by the Contract, plans, applications submitted or applicable permits issued for the project. Include a detailed description of the proposed activities and supporting documentation showing that the proposed activities or methods, the justification for those activities and supporting documentation showing that the proposed activity or method will not create risks of damage to the environment. If the Engineer accepts such proposal, the Contractor shall process an application to the appropriate regulatory agency or agencies for any permit for any permit amendment, modification, revision, or new permit required for the Contractor to carry out the additional activities or implement the changed methods on the project.

The Engineer will not grant any extension of time as a result of the Contractor's request to perform work not authorized as part of the established permit requirements. No such proposed additional activity shall commence nor shall the Contractor implement such changed method until the Engineer accepts the Contractor's request in writing.

The Contractor shall acquire any permits, identification numbers, and approvals required under the Resource Conservation and Recovery Act; Comprehensive Environment Response, Compensation, and Liability Act; or any other applicable Federal, State, or local environment law, for the management and disposal of all contaminated and/or hazardous material known to exist or discovered during construction operations, provided that:

(1) such material is within the construction limits defined in the Contract, and;

(2) such material is not comprised of waste materials generated by the Contractor.

If the Department has defined an area of known or suspected contamination within the project limits, and if contaminated material in that area has not been removed before the start of the project, the Contractor shall arrange for the disposition of such material with an appropriate party.

If the Contractor encounters or exposes any material, not previously known or suspected to be contaminated, but which exhibits abnormal properties which may indicate the presence of hazardous or contaminated material, the Contractor shall cease all operations in the vicinity of the abnormal condition, and notify the Engineer immediately. The presence of barrels, discolored earth, metal, wood, visible fumes or smoke, abnormal odors or excessively hot earth may indicate the presence of hazardous or contaminated material, and shall treat them with extreme caution. The Contractor shall arrange for the proper disposition of the material with an appropriate party.

When the Contractor performs support work incidental to the removal, treatment, or disposal of hazardous or contaminated material, the Engineer will make payment at the unit prices for applicable pay items in the Contract. When the Contract does not include appropriate pay items, the Engineer will make payment according to Subsection 104.03 - Extra Work.

The Contractor shall faithfully observe all security precautions established according to OSHA regulations including all revisions and amendments and shall not work in any area known to contain or suspected of containing hazardous or contaminated material without prior written acceptance of the Engineer.

The Contractor shall assume sole responsibility for the proper storage, handling, management, and disposal of all regulated materials and wastes associated with the Contractor's operations, including lubricants, antifreeze, engine fluids, paints, and solvents. All costs associated with the Contractor's failure to properly manage such materials according to Federal and State regulations, and all remedial and punitive costs incurred by the Department as a result of such failure will be charged to the Contractor. After properly disposing of such contaminated and/or hazardous material and after the State and/or utility company accepts such disposition in writing, the State and/or utility company will, thereafter, be responsible and liable for the contaminated and/or hazardous material."

(XIV) Amend **107.21 Contractor's Responsibility for Utility Property and Services** by adding the following:

"**(F) Notes for AT&T Facilities.** The Contractor shall notify, in writing, AT&T Fiber Optic Facilities, 96-1408 Waihona Place, Pearl City, Hi 96782 (Telephone 455-1010) at least two weeks before start of construction.

(G) Notes for Chevron U.S.A. Inc. Facilities. The Contractor shall notify, in writing, Chevron U.S.A. (Attention M. Hepburn), P.O. Box 29789, Honolulu, Hi 96820 (Telephone 682-5711) at least two weeks before start of construction.

(H) Notes for Hawaiian Independent Refinery, Inc. (HIRI) Facilities

(1) The Contractor shall obtain prior written clearance from HIRI at least five working days before starting excavation near the oil line. An excavation permit is required for all construction or installations within 10 feet of the HIRI pipelines.

(2) The permit form is available at the office of the Superintendent of Maintenance and Construction, HIRI refinery at Campbell Industrial Park, telephone number 547-3928.

(3) The Contractor shall notify the Superintendent of Maintenance and Construction at least 48 hours (72 hours prior to weekends and holidays) before starting excavation to arrange for field location of the existing HIRI pipelines after obtaining written clearance. The telephone number is 547-3928.

(4) Minimum vertical and horizontal clearance between the HIRI pipelines and other conduits, ductlines, or other facilities shall be 12 inches.

(5) The Contractor will backfill only in the presence of a HIRI representative. Backfill cushion shall be inorganic sand consisting of at least 6 inches depth entirely around the pipelines.

(6) A complete set of final construction drawings covering the installation or construction must be presented when requesting the permit form. These drawings will be retained until such time that the project 'as built' drawings are made available.

(7) The Contractor will reimburse HIRI for any consulting services stemming from the proposed work or work methods in connection with excavation and/or construction near the HIRI pipelines.

(8) Excavation includes grading and grubbing of the project area above the HIRI pipelines or in the vicinity of HIRI surface structures such as valve vaults, valve cages, and control devices."

(XV) Add the following:

"107.27 Night and Weekend Work.

(1) The Contractor shall comply with all noise restrictions as set forth by the City and County of Honolulu, the Department of Health, State of Hawaii and the Special Provisions herein; and shall apply for and obtain a community noise permit from the Department of Health.

(2) The Contractor shall hold instructional meetings with construction crews and equipment operators to discuss noise abatement, including operating vehicles and equipment, loading and unloading cargo, disabling use of reverse alarms, and other practices to reduce noise to a minimum.

The Contractor shall maintain all equipment and vehicles in good working order, and shall monitor all construction activities at the site to keep noise resulting from these activities to a minimum.

(3) Construction activities which may generate high noise level shall be performed between 8:00 A.M. and 7:00 P.M. Monday through Friday and 8:00 A.M. to 2:00 P.M. Saturday. These activities include pre-drilling, excavation, earthwork and foundation retrofit work such as concrete coring and chipping, drilling holes for dowels, and placement of concrete.

Permissible pile driving hours shall be 8:00 A.M. and 5:00 P.M., Monday thru Friday and 8:00 A.M. to 2:00 P.M., Saturday.

(4) The State has applied for a Community Noise Variance from the Department of Health according to "Hawaii Administrative Rules Title 11, Chapter 11-46-8" to allow weekend work and weekday night work for the following activities:

(a) Top slab repair work on the off-ramp structure at Pier 21. The noise variance application requests permission for the Contractor to work one weekend during the following hours:

Saturday	7:00 A.M. to 12:00 Midnight
Sunday	12:01 A.M. to 12:00 Midnight
Monday	12:01 A.M. to 5:00 A.M.

(b) The work to change lane widths on the inbound lanes of H-1, including eradication of existing striping, installation of new striping and installation and removal of traffic control signs, traffic barriers, and other devices. The noise variance application requests permission for the Contractor to work 7 days to decrease the lane widths before commencing with the Pier 19 footing retrofit work and to work 7 days to restore the lane widths after completing the Pier 19 footing retrofit work during the following hours:

Monday thru Friday	12:01 A.M. to 5:00 A.M. 7:00 P.M. to 12:00 Midnight
Saturday and Sunday	12:01 A.M. to 7:00 A.M. 6:00 P.M. to 12:00 Midnight

The more restrictive lane closure restriction hours specified in Subsection 104 shall take precedence over the Community Noise Variance hours.

The Contractor shall give residents who will be impacted by the nighttime and weekend construction activity advance written notice at least one week before each event and the name(s) and phone number(s) of the Contractor's contact person(s).

Should the Department of Health modify, suspend or deny the request for Community Noise Variance, the State will have the right to have part or all of the slab repair and lane width change work be done during the day. The Engineer and the Contractor will negotiate compensation for doing such work during the day."

END OF SECTION

No subcontract shall in any case release the Contractor of his/her liability under the contract and bonds.

Under Section 103D-302, HRS, the Contractor is required to list the names of persons or firms to be engaged by the Contractor as a subcontractor or joint contractor in the performance of the contract. When a change in a listed subcontractor is requested by the Contractor, submission of a formal release from the listed subcontractor is required by the State before a substitution will be considered for approval regardless of whether the substitute is another subcontractor or the Contractor himself/herself.

The 'Specialty Items' of work for this project are as follows:

Section No.	Description
602	All Contract Items under Section 602 – Reinforcing Steel
622	All Contract Items under Section 622 - Highway Lighting System
629	All Contract Items under Section 629 - Pavement Markings

108.02 Notice to Proceed (NTP). When the Director accepts the contract, the Department will give a NTP to the Contractor. The Department will show the date that the Contractor expects to begin the work and charge contract time. The date specified in the NTP will be no later than 45 days from the date of award unless there is no execution of contract, no acceptable Contractor's Site Specific Best Management Practices plans and NGPC's for construction dewatering and construction storm drainage, and no written evidence of ordering the necessary materials/equipment as specified under Subsection 106.13 - Ordering of Certain Material.

The Contractor shall begin work within 10 working days from the specified date. Pursue the work diligently to completion within the contract time allowed. Do not work before the specified date without a written acceptance.

When the Contractor begins work before receiving the NTP, the Department will consider the Contractor doing work at its own volition and risk.

When the Department gives written consent to work before the specified date, the Contractor may begin work, subject to:

(1) assuming the risk that the Department may disapprove the contract,

(2) taking precautions required for public safety,

(3) observing the provisions in the contract before beginning operations,

(4) working as is necessary to leave the project site in a neat condition at no cost to the State, and

(5) restoring the site to its former condition at no cost to the State if the work done affects existing roads or highways.

The Engineer will pay for all acceptable work done before the NTP date when the Department executes the contract.

The Engineer will not allow additional compensation nor an extension of time for delay, hindrance or interference caused by doing the project work before the NTP date except when the same situation would have occurred if the Contractor had begun work after the NTP date.

108.03 Progress Schedules. The Contractor shall submit four sets of its detailed progress schedule along with all the files needed to re-create that time period's progress schedule's plot and reports on a 3-1/2 inch HD floppy disk to the Engineer for review before the date of NTP or 30 calendar days after award of the contract whichever is earlier. The schedule shall account for normal inclement weather, unusual soil or other conditions that may influence the progress of the work, schedules and coordination required by any utility, off or on site fabrications, and all other pertinent factors that relate to progress. The Engineer will review and comment on the submitted progress schedule. The Contractor shall adjust the schedule to address comments made by the Engineer. Submit progress schedules and along with the files on a 3-1/2 inch HD floppy disk to the Engineer for review until the Engineer finds it acceptable. The Engineer will not authorize progress payments until the Engineer acknowledges, in writing, a receipt of a schedule that meets all the requirements of this Subsection.

Upon request, provide two color time-scaled Project Evaluation and Review Technique (PERT) charts using the activity box template of Logic – Early Start or any template requested by the Engineer.

All progress schedules submittal shall be a color Time-Scaled Logic Diagram (TSLD). The critical path shall be marked in red. For both the TSLD and PERT chart no blue or black line diagrams will be acceptable. The Engineer will designate the color to be used and the size of the plot and quality of paper for both the TSLD and PERT chart. The critical path is defined as the chain(s) of activities that take the longest time to accomplish completion of the project.

Submittal of and the Engineer's receipt of the progress schedule will not imply the Department's approval of the schedule breakdown, its individual

When the Engineer cannot use the field density test, compact each layer of backfill with vibratory or suitable equipment on granular backfill material. Test methods to decide maximum densities and relative compaction according to Subsection 106.09 - Special Test Methods.

Do not use water containing an excessive quantity of salt or other deleterious substances for compaction of structure and trench backfill for metal pipes.

The Engineer will not permit compaction of backfill material by ponding or jetting.

When required, make sufficient fill at culverts and bridges ahead of other grading operations to permit public traffic to cross. Compact structure backfill at the following areas to a relative compaction of not less than 90%:

(1) Oversized drains not beneath surfacing;

(2) Footing for slope protection, slope paving, and aprons;

(3) Headwalls, endwalls, and culvert wingwalls;

(4) Retaining walls except portions under surfacing and crib wall;

(5) Inlets in median areas or in traffic interchange loops;

(6) Footings not beneath surfacing;

(7) Other locations where the plans show 90% relative compaction for structure backfill.

(F) Dewatering Activities. If the Contractor elects to discharge dewatering effluents into receiving state waters or drainage systems, he must submit a Site Specific Best Management Practices (SSBMP) plan and the Highways Division must obtain Notice of General Permit Coverage (NGPC), Section 401 Water Quality Certification and a Department of the Army permit as described in Section 107.08. Do not begin dewatering activities until the DOH-CWB has issued NGPC for the project. Dewatering operations shall conform to all conditions of the SSBMP and NGPC.

206.04 Method of Measurement.

(A) Structure Excavation. The Engineer will not measure structure excavation.

Amend **Section 639 - Water Pollution Control** to read as follows:

"SECTION 209 - WATER POLLUTION AND EROSION CONTROL

209.01 Description. This section is for submitting detailed plans, diagrams, and written site-specific best management practices (BMP) plan; constructing, maintaining, and repairing temporary and permanent water pollution and erosion control measures at the project site, including local material sources, work areas and haul roads; removing and disposing potential hazardous wastes; and complying with applicable State and Federal Permit conditions.

The requirements of this section also apply to borrow pit operations, haul roads and/or Contractor's storage sites located outside the State right-of-way.

The requirements of this section shall apply to dewatering activities. Dewatering activities shall also be according to Section 206 - Excavation and Backfill for Conduits and Structures.

209.02 Materials. Materials shall conform to the following:

(A) Slope Drains. The Contractor may construct slope drains of pipe, fiber, mats, erosion control fabric, geotextiles, rubble, Portland cement concrete, bituminous concrete, plastic sheets, or other materials accepted by the Engineer.

(B) Mulches. Mulches may be bagasse, hay, straw, fiber mats, netting, wood cellulose, bark, wood chips, or other materials accepted by the Engineer. Mulches shall be clean and free of noxious weeds and deleterious materials. Spray mulches at a rate of 2000 pounds per acre. Add tackifier to the mix at a rate of 85 pounds per acre.

(C) Grass. Grass shall be a quick growing species such as rye grass, Italian rye grass, or cereal grasses. The grass shall be suitable to the area and provide a temporary cover that will not later compete with the permanent cover. Alternate grasses are allowable if accepted by the Engineer. Apply seeds at a rate of 125 pounds per acre.

(D) Fertilizer and Soil Conditioners. Fertilizer and soil conditioners shall be a standard commercial grade accepted by the Engineer. Fertilizer shall conform to Subsection 712.18(A) - Commercial Fertilizer. Apply fertilizer at a rate of 450 pounds an acre. Apply an additional 250 pounds per acre every 90 calendar days.

(E) Silt Fences. Silt fences shall be constructed with a synthetic filter fabric mounted on posts and embedded in the ground.

(F) Berms. Berms shall consist of gravel or sand wrapped with geotextile material. Alternate materials are allowable if accepted by the Engineer.

209.03 Water Pollution and Erosion Control Conference. Schedule a water pollution and erosion control conference with the Engineer at least 14 calendar days before the start of construction work to discuss the sequence of work, plans and proposals for water pollution and erosion control. Submit a water pollution and erosion control plan, as detailed in Subsection 209.04 a minimum of 10 calendar days before the scheduled conference.

209.04 Water Pollution and Erosion Control Submittals. Submit the following:

(A) a written site-specific BMP plan describing activities to minimize water pollution and soil erosion into State and City waters, drainage or sewer systems. The BMP plan shall include: identification of potential pollutants and their sources, a list of all materials and heavy equipment to be used during construction; descriptions of the methods and devices used to minimize the discharge of pollutants into State and City waters, drainage or sewer systems; details of the procedures used for the maintenance and subsequent removal of any erosion or siltation control devices; methods of removing and disposing hazardous wastes encountered during construction; and methods of storing and handling of oils, paints and other products used for the project.

At minimum, show or address the following to the Engineer: material storage and handling areas, and other staging areas; concrete truck washouts; fueling and maintenance vehicles and other equipment; use of form oils, paints and other products on the job site; tracking of sediment offsite from project entries and exits; litter management; dust control; and spill control.

The BMP plan must be signed and a copy kept on site throughout the duration of the project. Any revisions to the BMP plan shall be included with the original BMP plan, and all drawings, documentations modified to reflect the revisions.

(B) plans indicating location of water pollution and erosion control devices; plans and details of BMP plans to be installed or utilized; areas of soil disturbance in cut and fill, areas used for the storage of soil or waste, and areas where vegetative practices are to be implemented. The plans shall indicate the intended drainage pattern. Submit a separate drawing for each phase of construction which alters the drainage patterns;

(C) construction schedule;

(D) the name(s) of the specific individual(s) designated to be responsible for the water pollution and erosion controls on the project site along with the home and business telephone and fax numbers.

(E) description of the nature of fill material to be used on the project.

Follow the guidelines in the "Best Management Practices Manual for Construction Sites in Honolulu", dated May 1999 in developing, installing, and maintaining the BMP plans for the project.

209.05 Construction Requirements. Do not begin work on the project until the submittals detailed in Subsection 209.04 - Water Pollution and Erosion Control Submittals are completed and accepted by the Engineer.

Address all comments subsequently received from the Engineer.

Modify and resubmit the plans and construction schedules to correct conditions that develop during construction which were unforseen during the design and preconstruction stages.

Coordinate any temporary control provisions with the permanent control features throughout the construction and post-construction period.

The maximum surface area of earth material exposed at any time is 300,000 square feet. Do not expose earth material until the BMP are installed and accepted by the Engineer. Temporarily or permanently protect the disturbed soil surface from rainfall impact and runoff.

Install stabilized construction entrances to minimize tracking of dirt, and mud onto the roadways.

Do not expose erodible surfaces greater than 15 feet in height.

Apply accepted erosion control measures to all exposed erodible material within 15 calendar days of exposure. If after 15 days, the erosion control measures have not been applied, apply an accepted erosion control measure on the sixteenth day at no cost to the State. Failure to apply erosion control measures will result in the increase in the amount of retainage and/or the withholding of the monthly progress payment.

At the end of each workday, shape the earthwork to control and direct the runoff. If accepted by the Engineer, shaping the earthwork may include constructing earth berms along the top edges of embankments.

If accepted by the Engineer, chemicals may be used as soil stabilizers or erosion and/or dust control.

Use the materials listed in Subsection 209.02 - Materials unless the Engineer has reviewed and accepted to the use of a substitute.

Provide temporary slope drains of rigid or flexible conduits to carry runoff from cuts and embankments. Provide a portable flume at the entrance and shorten (or extend) the temporary slope drains as necessary to ensure proper function.

Protect ditches, channels, and other drainage ways leading away from cuts and fills at all times by either:

(A) hydro-mulching the lower region of embankments in the immediate area, or;

(B) placing an 8 to 15 inch layer of excavated rock (if available on-site) without reducing the cross section of the drainage way. The rocks shall be less than four inches in diameter.

Provide for controlled discharge of waters impounded, directed, or controlled by project activities or erosion control measures.

Properly maintain all erosion control features. Inspect and make necessary repairs to all erosion control measures at the following intervals:

(A) weekly during dry periods;

(B) within 24 hours of any rainfall of 0.5 inch or greater which occurs in a 24-hour period;

(C) daily during periods of prolonged rainfall and;

(D) when existing erosion control measures are damaged or not operating properly as specified by the Engineer.

Maintain records of the inspections and repairs made. These records shall be continuous for the entire duration of the project. Submit a copy of the records to the Engineer weekly.

In addition to the weekly reports, submit to the Engineer all amounts spent initializing and maintaining the BMP during the previous week. The amount spent includes: purchases of erosion control material, construction of storage areas, and installation of water pollution, erosion and dust control measures. Record the amount on the same form as the force account item of work.

Submit the report weekly along with the site inspection report.

Protect finished and previously seeded areas from damage and from spillover materials placed in the upper lifts of the embankment.

The Contractor's designated representative specified in Section 209.04(D) shall address any water pollution and erosion control concerns brought up by the Engineer within 24 hours of notification. If the Contractor fails to satisfactorily address these concerns, the Engineer reserves the right to employ outside assistance or use the Engineer's own labor forces to provide the necessary corrective measures. The Engineer will charge the Contractor such incurred costs plus any associated project engineering costs. The Engineer will make appropriate deductions from the Contractor's monthly progress estimate.

When there are conflicts between these requirements and laws, rules, or regulations of other Federal or State local agencies, the more restrictive laws, rules, or regulations shall apply.

Failure to conform with the above requirements and regulations of the Federal or State local agencies will be cause for temporary or permanent suspension of operations. If operations are suspended due to the Contractor's failure to conform, the Contractor shall maintain the project during the period of suspension at no cost to the State.

209.06 Method of Measurement The Engineer will measure water pollution and erosion control; installation, maintenance, repair and other work involved in the execution of the site-specific BMP plan; removal and disposal of hazardous waste on a force account basis according to Subsection 109.04 - Extra and Force Account Work.

Only the following work will be paid for under the Force Account: water monitoring, sampling, testing, and reporting; silt fencing, drain inlet filters, installation of rain gauge, hydro-mulching, litter pickup; and other pollution control work as directed by the Engineer.

The following work will be considered incidental to other payment items. They will not be measured nor paid for under the Force Account: access into and within the stream, working platform for equipment and workers in or over the stream, demolition and reconstruction of existing wall or other improvements for access and working platform, diversion of stream away from Pier 21 footing work, sheetpiling; setup and operations of excavation dewatering, including provisions for sedimentation, filtering and other treatments; access to interior of structure over the stream, concrete cleanup, concrete collection boxes; saw cutting, coring and drilling slurry control/removal; measures for preventing and cleaning equipment oil, fuel, and lubricants leaks; dust control, including construction, maintenance and removal of dust control fence at Piers 18 and 19; construction, maintenance

and removal of soil stabilization treatment at entrances to sites; pollution control measures for storage of any materials stored on or off jobsites; other incidental work and work paid for under other items.

The Engineer will not measure preparing, submitting and revising the Contractor's Site Specific BMP plan for payment.

209.07 Basis of Payment The Engineer will pay for the accepted water pollution and erosion control; installation, maintenance, repair and other work involved in the execution of the site-specific BMP plan; removal and disposal of hazardous waste on a force account basis according to Subsection 109.04- Extra and Force Account Work.

The Engineer will make payment under:

Pay Item	**Pay Unit**
Water Pollution and Erosion Control	Force Account

The Engineer will not pay for work required that is due to the Contractor's convenience, negligence, carelessness or failure to install permanent controls.

The Engineer will not pay for erosion control work that is not implemented within 15 days of exposure.

The Engineer will not pay for the development, preparation, submittals or any additional modification of the Contractor's Water Pollution and Erosion Control Plan, site-specific BMP plan, sequence of operations, and methods of operations plan.

No progress payment will be authorized until the Engineer accepts the site-specific BMP plan or when the Contractor fails to maintain the project site according to the accepted BMP plan.

For all citations or fines received by the Department for non-compliance with the Notice of General Permit Coverage (NGPC), the Contractor shall reimburse the State within 30 calendar days for the full amount of the outstanding cost the State has incurred, or the Engineer will deduct the cost from the progress payment.

The Engineer will assess liquidated damages up to $27,500 for non-compliance of each BMP plan requirement and all other requirements in this section. There is no maximum limit on the amount assessed per day."

END OF SECTION

The Engineer will pay under:

Pay Item	Pay Unit
Temporary 4-Inch Pavement Striping, Thermoplastic Extrusion (_____ L.F.)	Lump Sum
Temporary Reflective Markers, Type C (___ Each)	Lump Sum
Restore Permanent 4-Inch Pavement Striping, Thermoplastic Extrusion (_____ L.F.)	Lump Sum
Restore Permanent Markers, Type A (____ Each)	Lump Sum
Restore Permanent Markers, Type C (____ Each)	Lump Sum

The Engineer will not make additional lump sum payment due to overruns or underruns in comparison with the estimated quantity shown in the proposal. The Engineer will make additional lump sum payment only if the Engineer specifies an alteration in the work."

END OF SECTION

GENERAL DECISION **HI020001** 01/10/2003 HI1

Date: January 10, 2003
General Decision Number **HI020001**

Superseded General Decision No. HI010001

State: Hawaii

Construction Type:
BUILDING
DREDGING
HEAVY
HIGHWAY
RESIDENTIAL

County(ies):
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	03/01/2002
1	03/08/2002
2	04/19/2002
3	05/03/2002
4	07/05/2002
5	08/02/2002
6	08/16/2002
7	09/06/2002
8	09/27/2002
9	10/04/2002
10	11/08/2002
11	11/15/2002
12	11/22/2002
13	01/03/2003
14	01/10/2003

COUNTY(ies):
STATEWIDE

ASBE0132A 08/30/1998

	Rates	Fringes
ASBESTOS WORKERS/INSULATORS Includes application of all insulating materials, 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.	26.50	14.89

BOIL0204A 10/01/1998

	Rates	Fringes
BOILERMAKERS	26.25	13.76

BRHI0001A 09/02/2002

	Rates	Fringes
BRICKLAYERS; Caulkers; Cement Block Layers; Cleaners; Pointers; and Stonemasons	25.92	16.72

BRHI0001B 09/02/2002

	Rates	Fringes
TERRAZZO WORKERS:		
Terrazzo Workers	26.17	16.72
Terrazzo Base Grinders	24.36	16.72
Terrazzo Floor Grinders and Tenders	22.81	16.72

BRHI0001C 09/03/2001

	Rates	Fringes
MARBLE MASONS	25.77	15.76

BRHI0001D 09/03/2001

	Rates	Fringes
TILE LAYERS (CERAMIC)	25.77	15.76
TILE LAYER FINISHERS (CERAMIC)	22.41	15.76

CARP0745A 03/04/2002

	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	30.90	15.45
Millwrights and Machine Erectors	31.15	15.45
Power Saw Operators (2 H.P. and over)	31.05	15.45

CARP0745B 03/04/2002

	Rates	Fringes
DRYWALL HANGERS	31.15	15.42
LATHERS	31.15	15.42

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* ELEC1186A 08/18/2002

	Rates	Fringes
ELECTRICIANS:		
Electricians	31.70	6.54+30.6%
Technicians	32.65	6.54+30.6%
Cable Splicers	34.87	6.54+30.6%

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* ELEC1186B 08/18/2002

	Rates	Fringes
LINE CONSTRUCTION:		
Linemen	31.70	6.54+30.6%
Technicians	32.65	6.54+30.6%
Heavy Equipment Operators	28.53	6.54+30.6%
Cable Splicers	34.87	6.54+30.6%
Groundmen; Truck Drivers	23.78	6.54+30.6%

ELEV0126A 10/04/1999

	Rates	Fringes
ELEVATOR MECHANICS	34.65	6.935+a+b

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, Thanksgiving Day, Day after Thanksgiving Day and Christmas Day.

ENGI0003I 09/01/2002

	Rates	Fringes
POWER EQUIPMENT OPERATORS (Includes All Types of Paving):		
GROUP 1	28.59	16.53
GROUP 2	28.70	16.53
GROUP 3	28.87	16.53
GROUP 4	29.14	16.53
GROUP 5	29.45	16.53
GROUP 6	30.10	16.53
GROUP 7	30.42	16.53
GROUP 8	30.53	16.53
GROUP 9	30.64	16.53
GROUP 9A	30.87	16.53
GROUP 10	30.93	16.53
GROUP 10A	31.08	16.53
GROUP 11	31.25	16.53
GROUP 12	31.58	16.53
GROUP 12A	31.95	16.53
WAGE RATES FOR TUNNEL WORK:		
GROUP 1	28.89	16.53
GROUP 2	29.00	16.53
GROUP 3	29.17	16.53
GROUP 4	29.44	16.53
GROUP 5	29.75	16.53
GROUP 6	30.40	16.53
GROUP 7	30.72	16.53
GROUP 8	30.83	16.53
GROUP 9	30.94	16.53
GROUP 9A	31.17	16.53
GROUP 10	31.23	16.53
GROUP 10A	31.38	16.53

GROUP 11	31.53	16.53
GROUP 12	31.89	16.53
GROUP 12A	32.25	16.53

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 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).

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 over); Straddle Lifts (over 50 tons); Tower Crane, Mobile; Traveling Truss Cranes; Universal, Liebher, 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.

HELICOPTER WORK:		
Pilot of Helicopter	32.76	16.53
Co-Pilot of Helicopter	32.59	16.53
Airborne Hoist Operator for Helicopter	32.45	16.53
DIVERS (AQUA LUNG) (SCUBA):		
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)	43.28	16.53
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)	52.65	16.53
Stand-by Diver (Aqua Lung) (Scuba)	33.90	16.53
DIVERS (OTHER THAN AQUA LUNG):		
Diver (Other than Aqua Lung)	52.65	16.53
Stand-By Diver (Other than Aqua Lung)	33.90	16.53
Diver Tender (Other than Aqua Lung)	30.87	16.53
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

ENGI0003K 09/01/2002

	Rates	Fringes
TRUCK DRIVERS:		
GROUP 1	28.87	16.53+a
GROUP 2	29.14	16.53+a
GROUP 3	29.45	16.53+a
GROUP 4	30.10	16.53+a
GROUP 5	30.42	16.53+a
GROUP 6	30.53	16.53+a

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Utility, flatbed, or similar.
GROUP 2: Dump, 8 yards, and under (water level); water truck, up to and including 2,000 gallons.
GROUP 3: Tandem Dump, over 8 yards (water level); water truck (over 2,000 gallons).
GROUP 4: Semi-trailer, rock cans, or semi-dump.
GROUP 5: Slip-in or pup.
GROUP 6: End dumps (unlicensed); tractor trailer (hauling equipment).

a. An employee who has completed 1 but less than 2 years service- 1 week's paid vacation; 2 but less than 10 years service - 2 weeks paid vacation; 10 but less than 15 years service - 3 weeks paid vacation; and 15 or more years service - 4 weeks paid vacation.

ENGI0003L 09/01/2002

	Rates	Fringes
DREDGING:		
CLAMSHELL OR DIPPER DREDGES:		

GROUP 1	31.59	16.53
GROUP 2	30.93	16.53
GROUP 3	30.53	16.53
GROUP 4	28.87	16.53

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 DREDGES:

GROUP 1	31.23	16.53
GROUP 2	31.08	16.53
GROUP 3	30.93	16.53
GROUP 4	30.87	16.53
GROUP 5	30.53	16.53
GROUP 6	30.42	16.53
GROUP 7	28.87	16.53

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.

DERRICKS:

GROUP 1	31.59	16.53
GROUP 2	30.93	16.53
GROUP 3	30.53	16.53
GROUP 4	28.87	16.53

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.

BOAT OPERATORS:

Master Boat Operator	31.23	16.53
Boat Operator	31.08	16.53
Boat Deckhand	28.87	16.53

IRON0625A 09/02/2002

	Rates	Fringes

IRONWORKERS	27.00+a	20.81

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.

LABO0368A 09/03/2001

	Rates	Fringes
LABORERS:		
GROUP 1	22.85	11.20
GROUP 2	21.25	11.20
GROUP 3	23.85	11.20
GROUP 4	23.35	11.20
GROUP 5	22.35	11.20
GROUP 6	15.25	6.95
MASON TENDERS	23.10	11.20

LABORERS CLASSIFICATIONS

GROUP 1: Asbestos Removal Worker (EPA certified workers); Asphalt 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 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 Curer (impervious membrane and form oiler); Concrete Grinding or Sanding; Concrete: Hooking on, signaling, dumping of concrete for treme 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 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, Concreting, and Asphalt; Curing of Concrete, 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; Driller (Track, Diamond Core, and Wagon); Driller (Joydrill Model TWM-2A, Gardner Denver DH-143 and similar type drills); Driller (Mechanical) (not

covered elsewhere) (including multiple unit); (Ingersoll-Rand DM45E/DM50E/LM-100/LM-600C, Gardner-Denver SCH2500/SCH3500BV, Furukawa HCR-C300, Tamrock Drilltech CHA800/DHH 850 Tamrock Commando) (similar and replacement equipment thereof); Drilling for blasting; Operation of all rock and concrete drills and Jack Hammers, including handling, carrying, laying out of hose; (Ingersoll-Rand DM45E/DM50E/LM-100/LM-600C), Gardner-Denver SCH2500/SCH3500 BV, Furukawa HCR-C300, Tamrock Drilltech CHA 800/DHH 850/Tamrock Commando) (similar and replacement equipment thereof); Drilling (Mechanical) on the site or along the right-of-way as well as access roads, reservoirs, including areas adjacent or pertinent to construction sites); 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 Nozzleman - Hydraulic Monitor (over 100# pressure); Installation of Gilsulate 500XR; Jackhammer Operator; Jacking of slip forms; All semi and unskilled work connected therewithin; Laying of all multi-cell conduit or multi-purpose pipe; Magnesite and Mastic Workers (Wet or Dry)(including mixer operator); Mortar Man; Mortar Mixer (Block, Brick, Masonry, and Plastering); Nozzleman (Sandblasting and/or Water Blasting); 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, 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; Sandblaster (Nozzleman) handling, placing and operation of nozzle; Scaffold Erector; 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.

GROUP 2: Air Blasting; Appliance Handling (job site) (after delivery and unloading in storage area); Asphalt Laborer; Asphalt Plant Laborer; Backfill work connected with the installation of Gilsulate 500XR; Backfilling, Grading and all other labor connected therewith; Boring Machine; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Cemetary Laborers; 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 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; Driller, 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: sweeeping, 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; Gunite Operator; 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 stockkpile to point of installation; hooking and signalling from truck, conveyance or stockpile; Material Yard Laborers; Parks and Sports arenas and all recreational center employees; 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 prescast 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 landscaping of the site; 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 therof, 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 Scalers; Shipwright; 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; Striper (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.

GROUP 3: Licensed Powdermen.

GROUP 4: Gunnite Operator; High Scaler (working suspended), Pipelaying.

GROUP 5: Window Washer (Outside) (Working from bosun's chair and/or cable-suspended scaffold or work platform).

GROUP 6: Light Clean-Up.

LABO0368B 09/30/2002

	Rates	Fringes
LANDSCAPE AND IRRIGATION LABORERS:		
Group 1	17.66	5.47
Group 2	18.16	5.47
Group 3	14.51	5.47

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 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 oflandscaping 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 pruning, including the use of "weed eaters", hedge trimmers, vacuums, blowers, and other 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 peformance of other types of gardening, yardman, and horticultural-related work.

LABO0368C 09/04/2000

	Rates	Fringes
UNDERGROUND LABORERS:		
GROUP 1	21.45	10.74
GROUP 2	22.95	10.74
GROUP 3	23.45	10.74
GROUP 4	24.45	10.74
GROUP 5	24.80	10.74
GROUP 6	25.05	10.74
GROUP 7	25.50	10.74

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 Cabletenders; 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); Headman; Cherry Pickerman (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 Nozzleman; Nozzleman (on slick line); Sandblater-Potman (combination work assignment interchangeable); Tugger
GROUP 5: Shaft Work & Raise (below actual or excavated ground level); Diamond Driller; Gunite or Shotcrete Nozzleman

GROUP 6: Shifter
GROUP 7: Shifter (Shaft Work & Raiser)

PAIN1791A 07/01/2002

	Rates	Fringes
PAINTERS:		
Brush	26.55	19.35
Sandblaster; Spray	27.05	19.35

PAIN1889A 01/01/2001

	Rates	Fringes
GLAZIERS	23.07	17.30

PAIN1926B 02/25/2001

	Rates	Fringes
SOFT FLOOR LAYERS	22.90	15.50

PAIN1944A 01/01/2003

	Rates	Fringes
TAPERS	32.75	13.05

PLAS0630A 09/02/2002

	Rates	Fringes
PLASTERERS	26.71	16.72

PLAS0630B 09/02/2002

	Rates	Fringes
CEMENT MASONS:		
Cement Masons	25.87	16.72
Trowel Machine Operators	26.02	16.72

PLUM0675A 07/07/2002

	Rates	Fringes
PLUMBERS, PIPEFITTERS, STEAMFITTERS & SPRINKLER FITTERS	30.30	16.80

ROOF0221A 04/28/2002

	Rates	Fringes
ROOFERS	28.10	12.83

SHEE0293A 09/01/2002

	Rates	Fringes
SHEET METAL WORKERS	33.47	14.12

SUHI1001A 09/15/1997

	Rates	Fringes
DRAPERY INSTALLERS	13.60	1.20

SUHI2001A 09/15/1997

	Rates	Fringes
FENCE ERECTORS (Chain Link)	9.33	1.65

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

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)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

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, D. C. 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, D. C. 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:

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

Washington, D. C. 20210

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

END OF GENERAL DECISION

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0100	Removal of Guard Rails (50 L.F.)	L.S.	L.S.	L.S.	$ _____
203.0100	Roadway Excavation	40	C.Y.	$ _____	$ _____
206.0100	Structure Excavation @ Pier 18 (590 C.Y.)	L.S.	L.S.	L.S.	$ _____
206.0110	Structure Excavation @ Pier 19 (590 C.Y.)	L.S.	L.S.	L.S.	$ _____
206.0120	Structure Excavation @ Pier 21 (175 C.Y.)	L.S.	L.S.	L.S.	$ _____
206.0200	Structure Backfill @ Pier 18 (410 C.Y.)	L.S.	L.S.	L.S.	$ _____
206.0210	Structure Backfill @ Pier 19 (450 C.Y.)	L.S.	L.S.	L.S.	$ _____
206.0220	Structure Backfill @ Pier 21 (160 C.Y.)	L.S.	L.S.	L.S.	$ _____
209.0100	Water Pollution and Erosion Control @ Piers 18 and 19	F.A.	F.A.	F.A.	$15,000.00
209.0200	Water Pollution and Erosion Control @ Pier 21	F.A.	F.A.	F.A.	$50,000.00
304.0100	Aggregate Base	10	C.Y.	$ _____	$ _____
305.0100	Aggregate Subbase	20	C.Y.	$ _____	$ _____
401.0100	Asphalt Concrete Pavement, Mix IV	6	TON	$ _____	$ _____
503.1091	Concrete in Footing Retrofits @ Pier 18 (182 C.Y.) and Pier 19 (135 C.Y.)	L.S.	L.S.	L.S.	$ _____
503.1092	Concrete in Footing Retrofits @ Pier 21 (102 C.Y.)	L.S.	L.S.	L.S.	$ _____
505.0001	Furnishing Drilling and Pile Driving Equipment (1 set)	L.S.	L.S.	L.S.	$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
607.0200	Chain Link Gate, 6 Feet High and 4 Feet Wide	1	Each	$ _____	$ _____
609.0100	Curb and Gutter, Type 2DG	50	L.F.	$ _____	$ _____
616.0100	Sprinkler System (6,000 S.F.)	L.S.	L.S.	L.S.	$ _____
617.0100	Imported Planting Soil	7	C.Y.	$ _____	$ _____
619.0100	Planting Trees (Eucalyptus deglupta), 8' Ht., 4' Spread, 3" Cal.	6	Each	$ _____	$ _____
619.1100	Planting Trees (Tournefortia peruviana), 5' Ht., 3' Spread, 2" Cal.	12	Each	$ _____	$ _____
619.0400	Soil Amendments	1,200	S.F.	$ _____	$ _____
619.0500	Cover Mulch	2	C.Y.	$ _____	$ _____
621.0100	Construction Signs With Posts	12	Each	$ _____	$ _____
622.0100	Roadway Lighting System (100 L.F.)	L.S.	L.S.	L.S.	$ _____
629.0100	Temporary 4-Inch Pavement Striping, Thermoplastic Extrusion (5,000 L.F.)	L.S.	L.S.	L.S.	$ _____
629.0110	Temporary Reflective Markers, Type C (80 Each)	L.S.	L.S.	L.S.	$ _____
629.0120	Restore Permanent 4-Inch Pavement Striping, Thermoplastic Extrusion (2,200 L.F.)	L.S.	L.S.	L.S.	$ _____
629.0130	Restore Permanent Markers, Type A (330 Each)	L.S.	L.S.	L.S.	$ _____
629.0140	Restore Permanent Markers, Type C (170 Each)	L.S.	L.S.	L.S.	$ _____
636.0100	Field Office (Not to Exceed $32,000)	L.S.	L.S.	L.S.	$ _____
636.0200	Maintenance of Field Office	F.A.	F.A.	F.A.	$20,000.00
638.0100	Cellular Phones (Not to Exceed $2,700 for 3 phones)	L.S.	L.S.	L.S.	$ _____

State of Hawaii
Department of Transportation
Memorandum for the Record

Purpose of Meeting: Mandatory Pre-Bid Meeting for Interstate Route H-1, Seismic Retrofit, Kapiolani Interchange, Phase 2, F.A.P. No. BR-H1-1(226), District of Honolulu, Island of Oahu

Date, Time and Place: January 8, 2003, 9:00 a.m., Oahu District Conference Room

Participants: **See Attached Sheets**

BRIEF SUMMARY OF MEETING:

I. HWY-C Presentation

A. General Information: HWY-C, Pratt Kinimaka, DOT Highways Construction and Maintenance Engineer introduced the panel: Melanie Martin, Departmental DBE Program Manager, Gerald Yanagida DBE Officer, Jamie Ho, Contracts Officer, Emilio Barroga, Design Engineer, Consultants, Sato and Associates, FHWA representative, Domingo Galicinao.

This is a mandatory meeting. All bidders need to sign the sign-up sheet to confirm attendance at this meeting. This meeting is being held to provide prospective bidders an opportunity to ask questions about the project. Anything said at this meeting is for clarification only, the bid documents shall govern over anything said today and discrepancies shall be clarified by addendum.

B. DBE Program – Gerald Yanagida – The DBE goal is 17% for the Highways Federal Fiscal Year 2003 (10/1/03 to 9/30/04). Last year's goal of 18% was good. We are looking towards a race neutral approach. There are non-specified DBE goals. We ask that you try as much as possible to hire DBE subcontractors to participate in this contract. So far, we have been able to obtain our goals. If we don't, then FHWA will be concerned and we may have to go back and start enforcing the DBE goals. If you need further information on DBE, we have a web site at http://www.hawaii.gov/dot. If you find a company that needs to be DBE certified, contact Melanie Martin and she can help you certify the company.

II. CON presentation – Jamie Ho

A. Bidding Requirements –

* In the contract specs there is an orange flyer outlining the new changes in the specs.
* Again, attendance at this meeting is mandatory, so be sure you have signed in.

* A letter of intent to bid on this project is due 4:30 p.m., 10 calendar days prior to the bid opening, which is Monday, January 13, 2003. For joint ventures, you must turn in the intent under the joint venture name, with signatures of both parties. If you are unsure as to how you will be bidding, it is suggested that you turn in more than one intent. You may fax it to the Contracts Office at (808)587-2132. You are responsible to verify that your intent is received.
* A Hawaii General Engineering or "A" contractor's license is required for this project. Since the project is federally funded, the license is required prior to award of the contract.
* For Joint Ventures with Contractors; if both parties of the joint venture are licensed, then the joint venture need not be licensed. However, if only one party is licensed, then the joint venture needs to be licensed.
* Submittal of sealed bids are due at 2:00 p.m., January 23, 2003.
  Some notes on required forms for the bid submittal:
  * Page P-2 – This is the beginning of the letter that you are signing as part of your bid submittal.
  * Page P-3, Item 4, it says that you understand that in the event of a discrepancy between unit price and totals, that unit prices will prevail, and you must also indicate the form of bid security that you have included with your bid. If you are using a bid bond, be sure to use the form in the specifications and also make sure that both you and the surety sign the bond. You must submit the original bond; copies or faxes are not acceptable.
  * Page P-4, you must acknowledge all addenda and also indicate your DBE percentage for your bid. Although there is no goal specified, you will still need to fill in your percentage for the Project.
  * Page P-5, you must list all subcontractors including their nature of work and dollar amount of the subcontract. You may attach additional sheets if needed. Addresses and phone numbers are not needed as we already have those on file. Subcontractors must be licensed prior to the start of their work.
  * Page P-6, you must list all joint contractors, suppliers and manufacturers that you want to claim DBE credit for. The name of the company, nature of work and dollar amount must be completed in order for credit to be given.
  * For any DBE in which you want to claim credit for, you must attach a DBE Confirmation form signed by the DBE. Faxes are acceptable. You have 5 days after bid opening to turn this form in.
  * Page P-7, you must sign the bid in ink. Any bids signed in pencil will be rejected. If it is a joint venture, both parties must sign and

attach evidence of authority for the signing parties. The address that you fill in is the address that payments will be sent.

* Pages P-8 thru P-16 is the proposal schedule. Please use these forms. Be sure to fill in all blanks. Do not add anything to the proposal, or it may be considered an altered bid and will be rejected.
* You must sign the Statement of Affirmation and Acknowledgement of Disadvantaged Business Enterprise (DBE) Requirements. For joint ventures, both parties must sign. Your bid will be rejected for failure to sign this form.
* There no longer is a separate Declaration of Non-Collusion form or Non-Gratuity form; they are now part of the proposal.
* There is a new "Chapter 104, HRS Compliance Certificate" form, which the awardee will need to complete.
* The "50%" requirement of work to be performed by the prime contractor has been reduced to "30%", and there is no separate "Subcontractor Approval Form". However, during the evaluation of bids, the Engineer may ask the low bidder to provide documentation that the bidder is performing at least 30% of the work.
* There is no retainage for the prime contractor; however, the prime may withhold retainage on its subcontractor. If a subcontractor provides a bond to the prime contractor, the prime cannot withhold any more retainage that the State holds on the prime contractor.

III. Construction Presentation

A. Scheduling and Administration – Emilio Barroga

1. Scope of Work: To retrofit three (3) footings and retrofit one (1) hinge. The project duration is 150 working days, 5 days/week plus 1 week of night work for restriping H-1 (change lane from 12' to 10'), and 1 week of night work to restore H-1's original striping (back to 12'), and 1 weekend day and night work for deck repair of the Off Ramp Structure. The State is obtaining a noise variance to do this work.

2. Permits: Required by the project specifications, special provisions, plans or if Contractor's method of work requires permit.

3. Required submittals.

B. Environmental Concerns

1. Erosion Control (BMP's, etc.)

2. Environmental Permits
   a) DOH Water Quality Certification (Contractor to submit to the State SSBMP Plan and Monitoring Plan acceptable to DOH)
   b) DOH NPDES Dewatering Permit (Contractor to submit to the State SSBMP Plan acceptable to DOH)**
   c) DOH NPDES Permit to Discharge of Storm Water Associated with Construction Activities (Contractor to submit to the State SSBMP Plan acceptable to DOH)**
   d) Department of the Army Permit (Water Quality Certification – After BMP is submitted and approved)
   e) DOH Community Noise Variance
   f) DLNR Stream Channel Alteration Permit (Extended to 5/2003 and State will request for an extension)

   **We can get conditional permits at the end of the month for NPDES Dewatering Permit and maybe next month for NPDES permit to Discharge Storm Water subject to Contractor's submittal of acceptable BMP Plans. Water Quality Certification cannot be processed by DOH until a Site Specific BMP Plans and Monitoring Plans are submitted by the Contractor and approved by DOH.

   Copies of the permit applications will be available for review at either Sato and Associates, 2046 S. King Street or at HWY-D (Kapolei office).

3. Sato and Associates – David Yamamoto
   a) There is a force account item to complete implementation for pollution control, dewatering, monitoring and testing. There may also be some things that cannot be included.
   b) The following should not be force account: Access into and out of the stream; work on the platform; demolition of the channel walls; and dewatering pumping. Also access to inside of the structure over the stream should not be force account.
   c) Contractor is required to submit three (3) site specific BMPs, but they can write one to cover all three.
   d) The 401 Water Quality Certificate and documents for NPDES Dewatering and Stream Water during construction should be prepared after the award and submit before the Notice to Proceed as required by FHWA. (As in the specs. Notice to Proceed is issued 45 days from date of award of contract.)
   e) Applications have been made to DOH for the NPDES and Water Quality but the permits have not been received. The permits depend on the Contractor's BMP.

f) There will be addendums coming out regarding new wage rate schedule, working hours, and lane closures hours; and various other things.

g) Regarding the Site Specific BMP, there are two (2) bid items in the proposal that will be deleted. These should be incidental to the bid items.

C. Addenda – Emilio Barroga will contact you when it is ready.

D. Suggested Construction Sequence (Not listed in sequence)

* Pier 21 footing repair
* Pier 19 footing repair
* Pier 18 footing repair
* Repairs within box girders above Pier 21
* Repairs on deck above Pier 21

IV. Question and Answer

V. Site Visit

PRATT KINIMAKA
Chair

Attachment – Participants List

c: CON, HWY-DS

Kapiolani Seismic Retrofit Phase 2
FAP No. BR-H1-1(226)
Pre-Bid Meeting Participants

Bidders: Wesley Nakamura, Okada Trucking
818 Moowaa Street, Honolulu, HI 96817
841-0138, 847-4903 Fax

Garrett Sullivan, Kaikor Construction
P. O. box 30162, Honolulu, HI 96820
841-3110, 841-9511 Fax

Tom Heinrich, Global Specialty Construction
5 Sand Island Access Road
Honolulu, Hawaii
843-8881

Steve Nakayama, Hawaiian Dredging Construction Co.
P. O. 4088, Honolulu, HI 96812
735-3352

Wayne Kihune, Ideal Construction
1038 Ulupono Street, Honolulu, HI 96819
848-0502

Russell Luke, Healy Tibbitts
99-994 Iwaena, Suite A, Aiea, HI 96701
487-3664

John Byrne, RCI
3049 Ualena Street, Honolulu, HI
838-1360

DOT:	HWY-OC:	Brian Ikehara, 831-6800
		Craig Koyanagi, 831-6804
		Brian Yoshida, 831-6705
		U Kuong Ung, 831-6707
		Stanley Arakaki, 831-6791
		Kathy Yoda (Recorder)
	HWY-C	Gerald Yanagida, 587-2628
		Pratt Kinimaka, 587-2185
	OCR	Melanie Martin, 587-2023
	HWY-DS	Emilio Barroga. 692-7546
	CON	Jamie Ho, 587-2130
	FHWA	Domingo Galicinao, 541-2700 x302

CONSULTANT: David Yamamoto, Daniel Miyasato, and Dean Doi
Sato & Associates
2046 S. King Street, Honolulu, HI 96826
955-4441

Project No. FAIP NO. BR-H1-1(226) Project Name KAPIOLANI SEISMIC RETROFIT PHASE 2 (PRE BID MEETING)

Called By HWY-C Date 1/8/03 Time 9:00 A.M.

PLEASE PRINT

PARTICIPANTS	ORGANIZATION	ADDRESS (including City and Zip Code)	TELEPHONE NUMBER
1 WESLEY NAKAMURA	OKADA TRUCKING	815 MOOWAA ST HONOLULU 96817	841-0138 847-4903 FAX
2 GARRETT SULLIVAN	KAIKOR CONSTRUCTION	P.O. BOX 30162 HONO. 96820	841-3110 841-9511 FAX.
3 Brian Ikehara	HWY-DC	727 Kakoi St., Hon. HI. 96819	831-6800
4 Craig Koyanagi	"	"	831-6804
5 David Yamamoto	Seto & Assoc.	2046 S King St Honolulu 96826	955-4441
6 Daniel Miyasato	"	"	"
7 Dean Doi	"	"	"
8 Emilio Barroga	Hwy-DS	601 Kamokila Blvd Rm 685	692-7546
9 Tom Heinrich	Global Specialty Contr.	5 SAND ISLAND Access Rd	843 8881
10 Melanie Martin	DOT	Punchbowl	587-2023
11 Fred Yamashida	HWY-C	Punchbowl	587-2628
12 Jamie Ho	CON	Punchbowl	587-2130
13 Pratt Kinimaka	-C	Punchbowl	72185 (587-2185)
14 Brian Yoshida	Hwy-DC	727 Kakoi St	8316705
15 Steve Nakayama	Hawn. Dredging Const Co	P.O. 84088 Hono, HI 96812	735-3352
16 Wayne Kihune	Ideal Const.	1038 Ulupono St Hon 96819	8490502
17 Russell Luke	Healy Tibbitts	99-994 Iwaena, Suite A Aiea 96701	487-3664
18 Ah Leong Ung	HWY-DC	727 Kakoi Street, Hon, HI 96819	831-6707

Project No._____ Project Name_____

Called By_____ Date_____ Time_____

PLEASE PRINT

	PARTICIPANTS	ORGANIZATION	ADDRESS (including City and Zip Code)	TELEPHONE NUMBER
1	Domingo Galicinao	FHWA	300 Ala Moana Blvd Honolulu 96850	541-2700 x302
2	John Byrne	PCI	3049 Waialae Ave Honolulu	839 1360
3	Stanley Arakaki	HDOT-OC	Kakaʻako St. Hon	831-6791
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