

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

FOR

**MAMALAHOA HIGHWAY
EMERGENCY REPLACEMENT OF PAAUUA STREAM BRIDGE, IMPROVEMENTS
AT KAMANI STREET, AND REHABILITATION OF VARIOUS BRIDGES**

FEDERAL-AID PROJECT NO. ER-12(3)

**DISTRICT OF KAU
ISLAND OF HAWAII**

FY 2002

The following Amendments shall be made to the Bid Documents:

1. Attached are the minutes and attendance sheet for the May 8, 2002 pre-bid meeting with HDOT's responses, for your information.
2. Attached are the Request for Information from Contractors with HDOT's responses.
3. **SPECIAL NOTICE TO CONTRACTORS**
 - a. Item 6 shall be amended by changing the last paragraph to read as follows:

"If the Awardee delays this submittal, the number of days delayed shall be subtracted from the Completion Time of One-hundred Twenty (120) Calendar Days from the date indicated in the Notice to Proceed from the Department."
 - b. Item 6 shall be amended by adding the following after the last paragraph as follows:

"The Contractor awarded the project shall submit their Site Specific BMP's and Monitoring Plans at the Preconstruction meeting. No work involving the Site Specific BMP's and Monitoring Plans shall begin until approval is received from the Engineer.

The Contractor awarded the project shall submit their Dewatering Site Specific BMP's at the Preconstruction Meeting. No dewatering work shall begin until approval is received from the Engineer."

- c. Item 9 shall be amended by changing the first and second sentence of the first paragraph to read as follows:

"The Contractor shall complete the work in the opening of the Paauau Bridge and the realignment of Kamani Street two-way two lane traffic by 120 calendar days of the Notice to Proceed Date. Therefore, all work shall be completed by 120 calendar days after the Notice to Proceed date, excluding the removal of the detour road work, embankment stabilization work at and 'mauka' side of the detour road, Hionamoa Bridge Work, Moaula Bridge work and landscaping work."

4. **SPECIFICATIONS**

- a. Replace the Federal Wage Rate Schedule dated and 03/08/2002 with the attached Federal Wage Rate Schedule dated 05/03/2002.
- b. Revise **507.03(B) Concrete Railing** by omitting the ninth paragraph: "The precast concrete manufacturing plant shall be certified by the Precast/Prestressed Concrete Institute, Plant Certification Program, prior to the start of Production."
- c. Revise **507.03(B) Concrete Railing** by adding the following paragraph: "Stainless Steel shall be ASTM 276, Type 316L (Low Carbon)."

5. **PROPOSAL SCHEDULE**

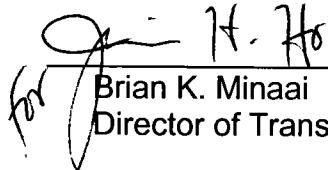
- a. Replace pages P-8 to P-14 dated 4/12/02 with the attached pages P-8 to P-14 dated 5/13/02. (Revised quantities for pay items 207.1000, and 624.1121. Deleted pay item 624.1784.)

6. **PLANS**

- a. Replace Plan Sheet No. 66 with the attached Plan Sheet ADD.66.
- b. Revise Plan Sheet No. 40 by deleting the "TYPICAL SIGN POST DETAIL WITHIN COUNTY R/W".

- c. Revise Plan Sheet No. 41 by replacing Note 1. with the following:
"1. Signing and striping for Detour Road shall be considered incidental to the construction of the Temporary Detour Road."
- d. Revise Plan Sheets 73, 75, and 80 with the attached Sketch Sheets SKS-1 to SKS-4.

Please acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided on page P-4 of the Proposal.



Brian K. Minaai
Director of Transportation

PRE-BID MEETING
FOR
MAMALAHOA HIGHWAY
EMERGENCY REPLACEMENT OF PAAUUA STREAM BRIDGE,
IMPROVEMENTS AT KAMANI STREET AND
REHABILITATION OF VARIOUS BRIDGES
FAP No. ER-12(3)

May 8, 2002

HIGHWAYS DIVISION
OAHU DISTRICT OFFICE

MEETING MINUTES

The following mandatory meeting was called to order at 9:05 a.m. and was held to brief prospective bidders for the subject project.

- I. Mr. Pratt Kinimaka opened this meeting by stating that all bid documents will govern over all design items and that clarification to any questions brought up at this meeting will be provided by addendum. Mr. Kinimaka provided an overview of the scope of work and informed the bidders that any clarification questions are to be submitted to the State of Hawaii, Department of Transportation (SDOT) by Friday, May 10, 2002. The addendum will be issued by Monday, May 20, 2002.
- II. Ms. Jamie Ho briefed the prospective bidders regarding important modifications to the previous SDOT bid requirements. Key items of note:
 - A. Project is federally funded.
 - B. Letter of Intent to Bid must be received by SDOT no later than 4:30 p.m., May 13, 2002. Bidders may fax completed Intent to Bid to SDOT (808) 587-2132. It is the bidder's responsibility to verify intent is received by SDOT.
 - C. A Hawaii General Engineers or "A" Contractor's license is required for this project and due prior to the award of the contract.
 - D. For Joint Ventures with Contractors: If both parties of the joint venture are licensed, then the joint venture need not be licensed. If only one party is licensed, then the joint venture needs to be licensed.
 - E. Sealed bids are due at 2:00 p.m., May 23, 2002.

1. Page P-2: The format of this letter has been revised to a bulleted style. The Declaration of Non-Collusion and Non-Gratuity Affidavit is now a part of the submittal letter. Please note on the bottom of the page, it states that if there is a discrepancy between unit price and totals, that unit price will prevail.
 2. Page P-3: Indicate the form of bid security. It is not necessary to complete the dollar amount (5% of total bid). It is recommended to complete the dollar amount just in case the original bid is revised. If bid security is in the form of a bid bond, be sure to use the form located in the specifications and that both you and your surety company sign the bond. The original bid bond is required; copies or faxes are not acceptable.
 3. Page P-4: There is no specific goal set for Disadvantaged Business Enterprise (DBE). Complete acknowledgment of all addendums issued and DBE percentages.
 4. Page P-5: Complete list of subcontractors including their nature of work and dollar amount of the subcontract. All subcontractors must be licensed prior to start of their work.
 5. Page P-6: List all joint contractors, suppliers and manufacturers that you want to claim DBE credit for. Name of the company, nature of work and dollar amount and a DBE confirmation form signed by the DBE must be completed in order to receive DBE credit. Forms may be submitted up to 5 days after bid opening. Forms may be faxed to Duane Taniguchi, Design Project Engineer, (808) 692-7582
 6. Page P-7: The bid must be signed in ink. Contact person and telephone number is should be listed.
 7. Page P-8: Bid starts on this page.
 8. Page P-14: Fill in Item D, "Bridge Completion Time." This amount should not be greater than 120 calendar days. A new type of procurement called "A & B" bidding will be used. The apparent low bidder will be determined by multiplying the Bridge Completion Time by \$10,000. This amount is then added to your Subtotal to compute the "Amount for Comparison of Bids." The apparent low bidder who meets all the bid requirements will be awarded the project.
 9. The Statement of Affirmation and Acknowledgment of Disadvantaged Business Enterprise (DBE) must be signed. For joint ventures, both parties must sign.
- III. Mr. Gerald Yanagida stated that though there are no specified DBE goals, it is recommended that all bidders voluntarily include DBE firms as much as possible.

For a list of DBE, visit the SDOT website at <http://www.hawaii.gov/dot/> or call Glenn Sato at 596-4463.

- IV. The meeting was opened to bidder's questions. At this time, there were no questions regarding bid documents, DBE goals or site specific BMPs.
- V. Any questions regarding the above may be sent or faxed to Duane Taniguchi at 692-7582.

Meeting was adjourned at 9:25 a.m.

MEETING AGENDA:

- I. Introduction
 - A. Greeting
 - B. This meeting is mandatory. Please be sure to sign the sign-up sheet to confirm your attendance at this meeting.
 - C. This meeting is to provide prospective bidders an opportunity to ask questions about the project.
 - D. Anything said at this meeting is for clarification only. The bid discrepancies shall be clarified by addendum.
- II. Introduce individuals
 - A. SDOT Personnel
 - 1. Jamie Ho, Contracts Officer
 - 2. Gerald Yanagida, DBE Officer
 - 3. Howard Haymore, Area Engineer
 - 4. Duane Taniguchi, Design Engineer
 - B. Design Consultant
 - 1. Ken Hayashida, KAI Hawaii, Inc.
 - 2. Barry Muranaka, Akinaka & Associates, Inc.
- III. Scope of Work
 - A. The project includes the removal of existing bridge, asphalt concrete payment and temporary detour road; grading; reconstruction of asphalt concrete roadway, new bridge structure and approach slabs, stabilizing stream banks with CRM wall, GRP and riprap; installation of guardrails, pavement markings and signs; roadway realignment and landscaping.
 - B. Questions and/or clarifications of the bid documents shall be answered by addendum which will be issued no later than Monday, May 20, 2002.

- C. Minutes of this meeting will be distributed prior to the bid, to the companies by inclusion in the addendum to be issued.
- D. The Contractor awarded the project shall submit their Site Specific BMP's and Monitoring Plans at the Preconstruction meeting. No work involving the site specific BMP's and Monitoring Plan shall begin until approval is received from the Engineer.
The Contractor awarded the project shall submit their Dewatering Site Specific BMP's at the Preconstruction meeting. No dewatering work shall begin until approval is received from the Engineer.

IV. Bidding Requirements

- A. Jamie Ho will discuss the SDOT prebid and contractual requirements.
- B. Gerald Yanagida will discuss the DBE requirements.

Adjournment.

Meeting Attendance

NAME	COMPANY	TELEPHONE NO.
Steve Ientile	KFC Airport, Inc.	836-7787
Gerald Yanagida	HDOT – Highways	587-2628
Randall Stevens	Global Specialty	843-8881
Jamie Wisenbaker	Kiewit Pacific Co.	674-1088 / 674-1233 (fax)
James Foss	Goodfellow Bros.	879-5205
Rolland Badua	Dick Pacific	533-5114
Sean Hiraoka	HDOT	692-7581
Rudy Morishita	Hawaiian Dredging	735-3211
Duane Taniguchi	SDOT – Design	692-7582
Jamie Ho	DOT – Contracts	587-2130
Howard Haymore	DOT – Hawaii	933-8866
Ben Nicholson	Abhe & Svoboda	682-4833
Pratt Kinimaka	DOT – Hwy C	587-2185
Ken Hayashida	KAI Hawaii, Inc.	533-2210
Melissa Michihara	KAI Hawaii, Inc.	533-2210

REQUEST FOR INFORMATION

KIEWIT PACIFIC CO.

1. According to the plan sheet, approximately 754 LF of 8" ductile iron is required from Sta. 000 to 7+53.63. However, the proposal only indicates 617 LF (Item 624.1121). The difference of 137 LF corresponds to the suspended portion on the bridge. Under which item should we include the suspended portion.
Response: *The quantity for the 8" ductile iron pipe will be revised to 754 LF.*
2. On Sheet 33, Node 2 indicated items to relocate the existing water meter. Which item(s) should this work correspond to?
Response: *Only the meter is being relocated.*
3. On Sheet 33, Node 11 (Sta. 3+72.08) indicates 3 EA 8" gate valves and 3 EA valve boxes. Is it correct to assume that the 3 EA valve boxes are incidental to the 3 EA 8" gate valves or will a new bid item be created under Section 604?
Response: *The three valve boxes for the 8" gate valves are incidental to the 8" gate valves. No new bid item will be created.*
4. Item 624.1784 indicates 3 EA Type "A" valve box including cast iron cover. A Type "A" valve box accommodates 1", 1-1/2", and 1-1/2" valves. Please clarify locations.
Response: *Item 624.1784 will be deleted.*

HAWAIIAN DREDGING CONSTRUCTION COMPANY

1. Spec page SNC-2, para. 9 requires completion of Paauau Bridge in 180 calendar days. However, Spec. Sect. 103, para. (I)1 states the bridge completion time shall not exceed 120 calendar days. Please clarify.
Response: *The bridge itself must be opened for use within 120 calendar days. The remainder of the project must be completed within 180 calendar days.*
2. Can we get drawings of the existing Paauau Bridge.
Response: *Yes, Arrangements through our Drafting Supervisor completed.*
3. Sht. 12 shows approximately 290 LF of new 6 ft. chain link fence. Shouldn't there be a bid item for this work.
Response: *Item 607.9040 - BARBED WIRE FENCE AND HOG WIRE FENCE is the bid item.*
4. Spec. section 616.05 mentions an item for "Temporary Sprinkler System." Should there be such a bid item.
Response: *No. Pay item in spec included in case needed.*
5. Spec. section 617.05 mentions an item for "Planting Soil." Should there be such a bid item.
Response: *No. Pay item in spec included in case needed.*

6. What does Bid Item 645.0110 "construction Of Temporary Detour" include?

- A. Clearing and grubbing.
- B. All excavation and embankment.
- C. Glassphalt concrete base course.
- D. Culverts.
- E. All other work associated with the construction of the detour road.

Response:

- a. *Clearing and grubbing - Included in the contract price of the various contract items.*
- b. *All excavation and embankment - Yes*
- c. *Glassphalt concrete base course - Yes*
- d. *Culverts - Yes*
- e. *Shotcrete - Yes*
- f. *Signing and Striping - Yes, addendum will revise sheet 41, note 1.*
- g. *All other work associated with the construction of the detour road - Yes, unless otherwise specified.*

7. Ref. Item No. 202.0440 "Removal of Temp. Detour" How does the estimated quantity of 635 cy on the bid proposal relate to the estimated quantities (Exc. - 127 cy; Emb. - 3,051 cy) shown on Sht. 28.

Response: *Item 202.0440 refers to the removal of the Detour Road's treated base course (Glassphalt) only. The quantities posted on Sheet 28 refers to the finish grades to be obtained after the removal of the Detour Road from Sta. 7+15 to the End.*

8. Sheets 21 to 23 shows a "Stream Exc." quantity of 10,103 cy. Does this quantity include bid items; 202.0441, 206.6002, and 207.1000

Response: *Yes. Quantities for 207.1000 will be revised in Addendum No. 1*

SAFETY SYSTEMS HAWAII, INC.

1. Section 621-3a, Part 621.03, (c) (1) calls for square tube sign posts. However, on the Plans, Plans Page 40 - Typical Sign Post Detail, shows a 2" I.D. Galv. Steel Pipe. What type of sign post are you going to use? Square or Round?

Response: *Detail on Sheet 40 will be deleted. All signs within County right-of-way shall comply to the County notes on Sheet 43.*

GRACE PACIFIC PRECAST, INC.

1. Reference exterior plank section; the drawings indicate that there is #8 x 3'-0" @ 12" extending out 1'-6" from the side of the plank. How does this particular rebar tie into the exterior railing?

Response: *Revised Sheet. See replaced sheet per Addendum No. 1.*

2. Reference 507.03(B) Concrete Railing, ninth paragraph:

"The Precast concrete manufacturing plant shall be certified by the Precast/Prestressed Concrete Institute, Plant Certification Program, prior to the start of Production."

As stated above, this sentence would effectively exclude all manufacturers located in Hawaii, except one, from bidding on this particular item. Is this the intent of this sentence? Can this sentence be deleted from the specifications?

Response: Yes. See Addendum No. 1.

KIEWIT PACIFIC CO.
REQUEST FOR INFORMATION

MAMALAHOA HIGHWAY EMERGENCY REPLACEMENT OF PAAUUA STREAM BRIDGE, IMPROVEMENTS
AT KAMANI STREET, AND REHABILITATION OF VARIOUS BRIDGES
PHONE: 674-1088 FAX: 674-1233

ATTENTION:

Duane Taniguchi
State of Hawaii
Department of Transportation
Highway Design
Phone: 692-7581 Fax: 692-7590

Date: 05/09/02

Specification Reference: _____

Plan: Sheet 33

Subject: Discrepancy () Conflict () Other () _____
 Clarification () Direction ()

Response Required By: ASAP

REQUEST:

According to the plan sheet, approximately 754 LF of 8" ductile iron is required from Sta 0+00 to 7+53.63. However, the proposal only indicates 617 LF (Item 624.1121). The difference of 137 LF corresponds to the suspended portion on the bridge. Under which item, should we include the suspended portion?

On Sheet 33, Node 2 indicates items to relocate the existing water meter. Which item(s) should this work correspond to?

On Sheet 33, Node 11 (Sta 3+72.08) indicates 3 EA 8" gate valves and 3 EA valve boxes. Is it correct to assume that the 3 EA valve boxes are incidental to the 3 EA 8" gate valves or will a new bid item be created under Section 604?

Item 624.1784 indicates 3 EA Type "A" valve box including cast iron cover. A Type "A" valve box accommodate 1", 1-1/2", and 1-1/2" valves. Please clarify locations.

Signed: *Florence Ching*
Florence Ching, Project Engineer



HAWAIIAN DREDGING
CONSTRUCTION COMPANY

A Division of
Dillingham Construction
Pacific, Ltd.

PO Box 4088
Honolulu, HI 96812-4088
Ph: (808) 735-3211

Fax Transmittal

PLEASE DELIVER TO	FROM
Duayne Taniguchi	Steve Nakayama
FIRM	DATE
DOT Highways Div.	5/6/02
FAX	TELEPHONE/FAX/E-MAIL
692-7590	735-3319 / 735-3232
REGARDING	
Kuihelani Highway Widening	MAMALAHOA Hwy - EMERGENCY REPLACEMENT OF PAAUUAU STREAM BRIDGE (SN called 1:45pm to corr.)
IF THERE ARE PROBLEMS IN THE TRANSMISSION PLEASE CALL	TELECOPIER MATERIAL WILL ALSO BE SENT BY TOTAL PAGES
	WILL NOT BE SENT 1

MESSAGE

Please respond to the following questions.

- Spec. page SNC-2, para. 9 requires completion of Paauau Bridge in 180 cal. days. However, Spec. Sect. 103, para. (1)1 states the bridge completion time shall not exceed 120 cal. days. Please clarify.
- Can we get drawings of the existing Paauau bridge.
- Sht. 12 shows approximately 290 lf of new 6 ft. chain link fence.
Shouldn't there be a bid item for this work.
- Spec. sect. 616.05 mentions an item for "Temporary Sprinkler System."
Should there be such a bid item.
- Spec. section 617.05 mentions an item for "Planting Soil."
Should there be such an item.
- What does Bid Item 645.0110 "Construction Of Temp. Detour" include?
 - Clearing and grubbing.
 - All excavation and embankment.
 - Glassphalt concrete base course.
 - Culverts.
 - All other work associated with the construction of the detour road.
- Ref. Item No. 202.0440 "Removal Of Temp. Detour"
How does the estimated quantity of 635 cy on the bid proposal relate to the estimated quantities (Exc. - 127 cy; Emb. - 3051 cy) shown on Sht. 28.
- Shts. 21 to 23 shows a "Stream Exc." quantity of 10,103 cy.
Does this quantity include bid items:
 - 202.0441
 - 206.6002
 - 207.1000

SAFETY SYSTEMS HAWAII, INC.

DT PAGE 1 OF 1

815-C Waiakamilo Road, Honolulu, Hawaii 96817-4322 • Tel: (808) 847-4017 • Fax: (808) 842-1233

FAX TO:

Name: Sean Hiraoka Fax: (808) 692-7590Contact: _____ Ph: (808) 692-7591Architect: Kai Hawaii, Inc.

Who: _____

Job Title: Mamalahoe Highway - EmergencyBid Date: 5-23-02Replacement of Paia Stream BridgeSubstitution Request? Y (N)From: Christopher Demmert Ph: 847-4017☐ Call architect ☐ Write/fax architect

➤ Please clarify the following information from the specification manuals & plans:

- | | | | |
|--|---|------------------------------|-----------------------------|
| 1) Counts do not agree | 5) Old specification? | 9) Missing Section | 12) Copy unknown |
| 2) Specs and Plans disagree | 6) Substrate Unknown | 13) Existing? | Color unknown |
| 3) Missing Spec | 7) ADA / 1/32" Raised letters/
Braille | 10) Posts:
with? without? | Size unknown |
| 4) Spec is there, but we
couldn't locate in plans | 8) Missing Detail | 11) How mounted? | Radius corners?
Borders? |

★ CLARIFICATION REQUESTED ★

Section # Item #	Plan Sheet #	Type	Question
621-3a 713-k, 3a	40		Section 621-3a, Part 621.03, (c), (1), calls for square tube sign post. However, on the Plans, Plan Page 40 - Typical Sign Post Detail, shows a 2" I.D. Galv. Steel Pipe. What type of sign post are you going to use? Square or Round?

ANSWER:

Who: _____ Will call us back _____ When? _____

Addendum? _____ Initial _____ Date _____

Section # Item #	Plan Sheet #	Type	Question

ANSWER:

Who: _____ Will call us back _____ When? _____

Addendum? _____ Initial _____ Date _____

TELECOPIER COVER LETTER**Grace Pacific Precast, Inc.**91-063 MALAKOLE STREET · KAPOLEI, HAWAII 96707
TELEPHONE: (808) 682-5761 FAX: (808) 682-5764

DATE: MAY 4, 2002

PLEASE DELIVER THE FOLLOWING TO:

NAME: PROJECT ENGINEER (IN CHARGE OF BID)

FIRM: STATE OF HAWAII, CONTRACTS OFFICE, DEPARTMENT OF TRANSPORTATION

FACSIMILE NO.: 587-2132

FROM:

NAME: RAYMOND NII

TELEPHONE NO.: 682-5761 x25

WE ARE TRANSMITTING 3 PAGES INCLUDING THIS COVER SHEET.
IF YOU DO NOT RECEIVE ALL OF THE PAGES, PLEASE CALL AS SOON AS POSSIBLE.

RE: MAMALAHOA HIGHWAY
EMERGENCY REPLACEMENT OF PAAUUA STREAM BRIDGE
IMPROVEMENTS AT KAMANI STREET, AND REHABILITATION
OF VARIOUS BRIDGES
FEDERAL AID PROJECT NO. ER-12(3)

Request for Information No. 1 & 2.

If this is not the right place to send my questions for the above referenced project, please let me know who I should send it to. Thank you.

Regards,

Raymond Nii





GRACE PACIFIC PRECAST, INC.
91-063 Malakole Street Kapolei, Hawaii 96707

DATE: May 4, 2002

REQUEST FOR INFORMATION NO. 1

PROJECT: Mamalahoa Hwy, Paauau Stream SPEC. REF. _____

Bridge: FAP NO. ER-12(3) PLAN REF. Page 66, Detail 1/S2.4 & Detail 2/S2.4

SUBJECT: DISCREPANCY _____ CONFLICT _____ CLARIFICATION x SUGGESTION _____ OTHER _____

REQUESTER: Raymond Nii

PLEASE REPLY BY: May 16, 2002

REQUEST:

Reference exterior plank section: the drawings indicate that there is #8 x 3'-0" @ 12" extending out 1'-6" from the side of the plank. How does this particular rebar tie into the exterior railing?

REPLY BY: _____ FIRM: _____ DATE: _____

PAGE 1 OF 1



**GRACE PACIFIC PRECAST, INC.**

91-063 Malakole Street Kapolei, Hawaii 96707

DATE: May 4, 2002

REQUEST FOR INFORMATION NO. 2PROJECT: Mamalahoa Hwy, Paauu Stream SPEC. REF. Section 507 - RailingsBridge; FAP NO. ER-12(3) PLAN REF. _____SUBJECT: DISCREPANCY _____ CONFLICT _____ CLARIFICATION x SUGGESTION _____ OTHER _____REQUESTER: Raymond NiiPLEASE REPLY BY: May 16, 2002**REQUEST:**

Reference 507.03(B) Concrete Railing, ninth paragraph:

"The Precast concrete manufacturing plant shall be certified by the Precast/Prestressed Concrete Institute, Plant Certification Program, prior to the start of Production."

As stated above, this sentence would effectively exclude all manufacturers located in Hawaii, except one, from bidding on this particular item. Is this the intent of this sentence? Can this sentence be deleted from the specifications?

REPLY BY: _____ FIRM: _____ DATE: _____

PAGE 1 OF 1

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

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 09/03/2001

	Rates	Fringes
BRICKLAYERS; Caulkers; Cement Block Layers; Cleaners; Pointers; and Stonemasons	25.52	15.76

BRHI0001B 09/03/2001

	Rates	Fringes
TERRAZZO WORKERS:		
Terrazzo Workers	25.77	15.76
Terrazzo Base Grinders	23.96	15.76
Terrazzo Floor Grinders and Tenders	22.41	15.76

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
Millwrights and Machine Erectors
Power Saw Operators
(2 H.P. and over)

30.90	15.45
31.15	15.45
31.05	15.45

CARP0745B 03/04/2002

DRYWALL HANGERS
LATHERS

Rates	Fringes
31.15	15.42
31.15	15.42

ELEC1186A 02/17/2002

ELECTRICIANS:

Electricians
Technicians
Cable Splicers

Rates	Fringes
31.35	6.15+30.6%
32.29	6.15+30.6%
34.49	6.15+30.6%

ELEC1186B 02/17/2002

LINE CONSTRUCTION:

Linemen
Technicians
Heavy Equipment Operators
Cable Splicers
Groundmen; Truck Drivers

Rates	Fringes
31.35	6.15+30.6%
32.29	6.15+30.6%
28.22	6.15+30.6%
34.49	6.15+30.6%
23.51	6.15+30.6%

ELEV0126A 10/04/1999

ELEVATOR MECHANICS

Rates	Fringes
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 09/04/2000

POWER EQUIPMENT OPERATORS (Includes All Types of Paving):

	Rates	Fringes
GROUP 1	26.89	14.18
GROUP 2	27.00	14.18
GROUP 3	27.17	14.18

GROUP 4	27.44	14.18
GROUP 5	27.75	14.18
GROUP 6	28.40	14.18
GROUP 7	28.72	14.18
GROUP 8	28.83	14.18
GROUP 9	28.94	14.18
GROUP 9A	29.17	14.18
GROUP 10	29.23	14.18
GROUP 10A	29.38	14.18
GROUP 11	29.53	14.18
GROUP 12	29.89	14.18
GROUP 12A	30.25	14.18

WAGE RATES FOR TUNNEL WORK:

GROUP 1	27.19	14.18
GROUP 2	27.30	14.18
GROUP 3	27.47	14.18
GROUP 4	27.74	14.18
GROUP 5	28.05	14.18
GROUP 6	28.70	14.18
GROUP 7	29.02	14.18
GROUP 8	29.13	14.18
GROUP 9	29.24	14.18
GROUP 9A	29.47	14.18
GROUP 10	29.53	14.18
GROUP 10A	29.68	14.18
GROUP 11	29.83	14.18
GROUP 12	30.19	14.18
GROUP 12A	30.55	14.18

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, Liebherr, Linden, and similar types of Tower Cranes (in the erection, dismantling, and moving of equipment there shall be an additional Operating Engineer or Heavy Duty Repairman); Yo-Yo Cat or Dozer.

HELICOPTER WORK:

Pilot of Helicopter	31.06	14.18
Co-Pilot of Helicopter	30.89	14.18
Airborne Hoist Operator for Helicopter	30.75	14.18

DIVERS (AQUA LUNG) (SCUBA):

Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)	41.58	14.18
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)	50.95	14.18
Stand-by Diver (Aqua Lung) (Scuba)	31.06	14.18

DIVERS (OTHER THAN AQUA LUNG):

Diver (Other than Aqua Lung)	50.95	14.18
Stand-By Diver (Other than Aqua Lung)	32.20	14.18
Diver Tender (Other than Aqua Lung)	29.17	14.18

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	0.35
Booms and/or Leads of 130 feet up to but not including 180 feet	0.50
Booms and/or Leads of 180 feet up to and including 250 feet	0.90
Booms and/or Leads over 250 feet	1.35

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	1.00
Booms over 250 feet	1.50

ENGI0003K 09/04/2000

	Rates	Fringes
TRUCK DRIVERS:		
GROUP 1	27.17	14.18+a
GROUP 2	27.44	14.18+a
GROUP 3	27.75	14.18+a
GROUP 4	28.40	14.18+a
GROUP 5	28.72	14.18+a
GROUP 6	28.83	14.18+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.
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ENGI0003L 09/04/2000

	Rates	Fringes
DREDGING:		
CLAMSHELL OR DIPPER DREDGES:		
GROUP 1	29.89	14.18
GROUP 2	29.23	14.18
GROUP 3	28.83	14.18
GROUP 4	27.17	14.18

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	29.53	14.18
GROUP 2	29.38	14.18
GROUP 3	29.23	14.18
GROUP 4	29.17	14.18
GROUP 5	28.83	14.18
GROUP 6	28.72	14.18
GROUP 7	27.17	14.18

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	29.89	14.18
GROUP 2	29.23	14.18
GROUP 3	28.83	14.18
GROUP 4	27.17	14.18

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	29.53	14.18
Boat Operator	29.38	14.18
Boat Deckhand	27.17	14.18

IRON0625A 09/03/2001

	Rates	Fringes
IRONWORKERS	26.00+a	20.01

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

	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); Cemetery 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: sweeping, cleaning, washdown, wiping of construction facility, and equipment (other than "Light Clean-up" [Janitorial] Laborer); General Excavation and Grading (all labor connected therewith); Digging of trenches, ditches and manholes and the leveling, grading and other preparation prior to laying pipe or conduit for any purpose; Excavations and foundations for buildings, piers, foundations and holes, and all other construction; General Laborer; Guniting 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 waterpools, artificial lakes and reservoirs); Limbers, Brush Loaders, and Pilers; Loading, Unloading, carrying, distributing and handling of all rods and material for use in reinforcing concrete construction (except when a derrick or outrigger operated by other than hand power is used); Loading, unloading, sorting, stockpiling, handling and distribution of water mains, gas mains and all pipes; Loading and unloading of all materials, fixtures, furnishings and appliances from point of delivery to stockpile to point of installation; hooking and signalling from truck, conveyance or stockpile; Material Yard Laborers; 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 precast concrete slabs, walls, or sections: all loading, unloading, stockpiling, hooking on of such slabs, walls or sections; Quarry Laborers; Railroad, Streetcar, and Rail Transit Maintenance and Repair; Removal of surplus material; Roustabout; Rubbish Trucks in connection with Building Construction Projects (excluding clearing, grubbing, and excavating); Salvage Yard: All work connected with cutting, cleaning, storing, stockpiling or handling of materials, all cleanup, removal of debris, burning, back-filling and 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 thereof, preparation for

foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalpers; 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; Stripper (Asphalt, Concrete or other Paved Surfaces); Tagging and Signaling of all building materials into high-rise units; Tool Room Attendant (Job Site); Traffic Delineating Device Applicator; Underpinning, lagging, bracing, propping and shoring, loading, signaling, right-of-way clearance along the route of movement, The clearance of new site, excavation of foundation when moving a house or structure from old site to new site; Utilities employees; Water Man; Waterscape/Hardscape Laborers; Wire Mesh Pulling (all concrete pouring operations); Wrecking, stripping, dismantling and handling concrete forms an false work.

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 10/01/2001

	Rates	Fringes
LANDSCAPE AND IRRIGATION LABORERS:		
Group 1	17.36	5.37
Group 2	17.86	5.37
Group 3	14.26	5.37

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 of landscaping and irrigation systems. Operation of hand-held gas, air, electric, or self-powered tools and equipment used in the performance of Landscape and Irrigation work in connection with architectural horticulture; Choke-setting, signaling, and rigging for equipment operators on job-site in the performance of such Landscaping and Irrigation work; Concrete work (wet or dry) performed in connection with such Landscaping and Irrigation work. This work shall also include the setting of rock, stone, or riprap in connection with such Landscape, Waterscape, Rockscape, and Irrigation work; Grubbing, pick and shovel excavation, and hand rolling or tamping in connection with the performance of such Landscaping and Irrigation work; Sprigging, handseeding, and planting of trees, shrubs, ground covers, and other plantings and the performance of all types of gardening and horticultural work relating to said planting; Operation of flat bed trucks (up to and including 2 1/2 tons).

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

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and

other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not "take" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and 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 performance 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 Cabetenders; Powderman (Prime House); Vibratorman, Pavement Breakers

GROUP 4: Miners - Tunnel (including top and bottom man on shaft and raise work); Timberman, Retimberman (wood or steel or substitute materials thereof); Blasters, Drillers, Powderman (in heading); 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 01/01/2002

	Rates	Fringes
PAINTERS:		
Brush	25.55	19.35
Sandblaster; Spray	26.05	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 01/01/2002

	Rates	Fringes
TAPERS	31.75	12.05

PLAS0630A 09/03/2001

	Rates	Fringes
PLASTERERS	26.31	15.76

PLAS0630B 09/03/2001

	Rates	Fringes
CEMENT MASONS:		
Cement Masons	25.47	15.76
Trowel Machine Operators	25.62	15.76

PLUM0675A 01/06/2002

	Rates	Fringes
PLUMBERS, PIPEFITTERS, STEAMFITTERS & SPRINKLER FITTERS	29.80	16.45

ROOF0221A 05/02/1999

	Rates	Fringes
ROOFERS	25.00	11.46

SHEE0293A 08/26/2001

	Rates	Fringes
SHEET METAL WORKERS	32.97	13.61

SUHI1001A 09/15/1997

DRAPERY INSTALLERS	Rates 13.60	Fringes 1.20
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SUHI2001A 09/15/1997

FENCE ERECTORS (Chain Link)	Rates 9.33	Fringes 1.65
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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)(v)).

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	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
108.0100	EARLY CONTRACT INCENTIVE	ALLOW.	ALLOW.	ALLOW.	\$ 300,000.00
202.0100	REMOVAL OF CONCRETE BRIDGE	L.S.	L.S.	L.S.	\$
202.0310	REMOVAL OF EXISTING A.C. PAVEMENT (2,060 SQ. YD.)	L.S.	L.S.	L.S.	\$
202.0440	REMOVAL OF TEMPORARY DETOUR ROAD (635 CU. YD.)	L.S.	L.S.	L.S.	\$
202.0441	REMOVAL OF ROCK OUTCROPPING (2,355 CU. YD.)	L.S.	L.S.	L.S.	\$
203.0100	ROADWAY EXCAVATION	3,875	CU YD	\$	\$
203.0210	BORROW EXCAVATION	200	CU YD	\$	\$
206.2030	STRUCTURE EXCAVATION FOR WATER SYSTEM INCL. PIPE CUSHION & BACKFILL	810	CU YD	\$	\$
206.6000	STRUCTURE EXCAVATION FOR ABUTMENT	710	CU YD	\$	\$
206.6001	STRUCTURE EXCAVATION FOR PIER FOOTINGS	165	CU YD	\$	\$
206.6002	STRUCTURE EXCAVATION FOR CHANNEL	2,030	CU YD	\$	\$
206.7200	STRUCTURE BACKFILL FOR ABUTMENTS	135	CU YD	\$	\$
206.7201	STRUCTURE BACKFILL FOR ABUTMENTS (CLASS D CONCRETE)	152	CU YD	\$	\$
207.1000	DITCH AND CHANNEL EXCAVATION	5,015	CU YD	\$	\$
209.0100	PLAN SHEET BMP'S	L.S.	L.S.	L.S.	\$
209.0200	ADDITIONAL WATER POLLUTION AND EROSION CONTROL DEVICES	F.A.	F.A.	F.A.	\$ 50,000.00
305.1110	AGGREGATE SUBBASE	860	CU YD	\$	\$

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
312.1110	PLANT MIX GLASSPHALT CONCRETE BASE COURSE	1,300	TON	\$ _____	\$ _____
313.1000	CONTROLLED LOW STRENGTH MATERIAL AT ABUTMENTS	100	CU YD	\$ _____	\$ _____
401.0400	ASPHALT CONCRETE PAVEMENT, MIX NO. IV	530	TON	\$ _____	\$ _____
503.1090	CONCRETE FOR ABUTMENTS (70 CU. YD.)	L.S.	L.S.	L.S.	\$ _____
503.1091	CONCRETE FOR ABUTMENT FOOTINGS (125 CU. YD.)	L.S.	L.S.	L.S.	\$ _____
503.1092	CONCRETE FOR BRIDGE DECK (150 CU. YD.)	L.S.	L.S.	L.S.	\$ _____
503.1093	CONCRETE FOR PIER WALLS (100 CU. YD.)	L.S.	L.S.	L.S.	\$ _____
503.1094	CONCRETE FOR PIER WALL FOOTINGS (70 CU. YD.)	L.S.	L.S.	L.S.	\$ _____
503.1910	CONCRETE FOR APPROACH SLAB (95 CU. YD.)	L.S.	L.S.	L.S.	\$ _____
503.1920	CONCRETE FOR CHANNEL BOTTOM (CLASS "D")	200	CU YD	\$ _____	\$ _____
503.2050	DWS 2500 CONC. FOR REACTION BLOCKS, BEAMS	2	CU YD	\$ _____	\$ _____
503.2051	CLASS "B" CONCRETE FOR REINF. CONC. JACKET FOR 8-INCH WATER	15	LIN FT	\$ _____	\$ _____
504.6100	PRESTRESSED PRECAST PLANKS (1,182 LIN. FT.)	L.S.	L.S.	L.S.	\$ _____
507.7000	CONCRETE END POSTS (4 EACH)	L.S.	L.S.	L.S.	\$ _____
507.7001	BRIDGE RAILING INCLUDING METAL RAILS	255	L.F.	\$ _____	\$ _____
508.0110	CEMENT RUBBLE MASONRY STRUCTURE (HEADWALL)	3	CU YD	\$ _____	\$ _____
602.0090	REINFORCING STEEL FOR ABUTMENTS (25,000 LBS.)	L.S.	L.S.	L.S.	\$ _____

PROPOSAL SCHEDULE

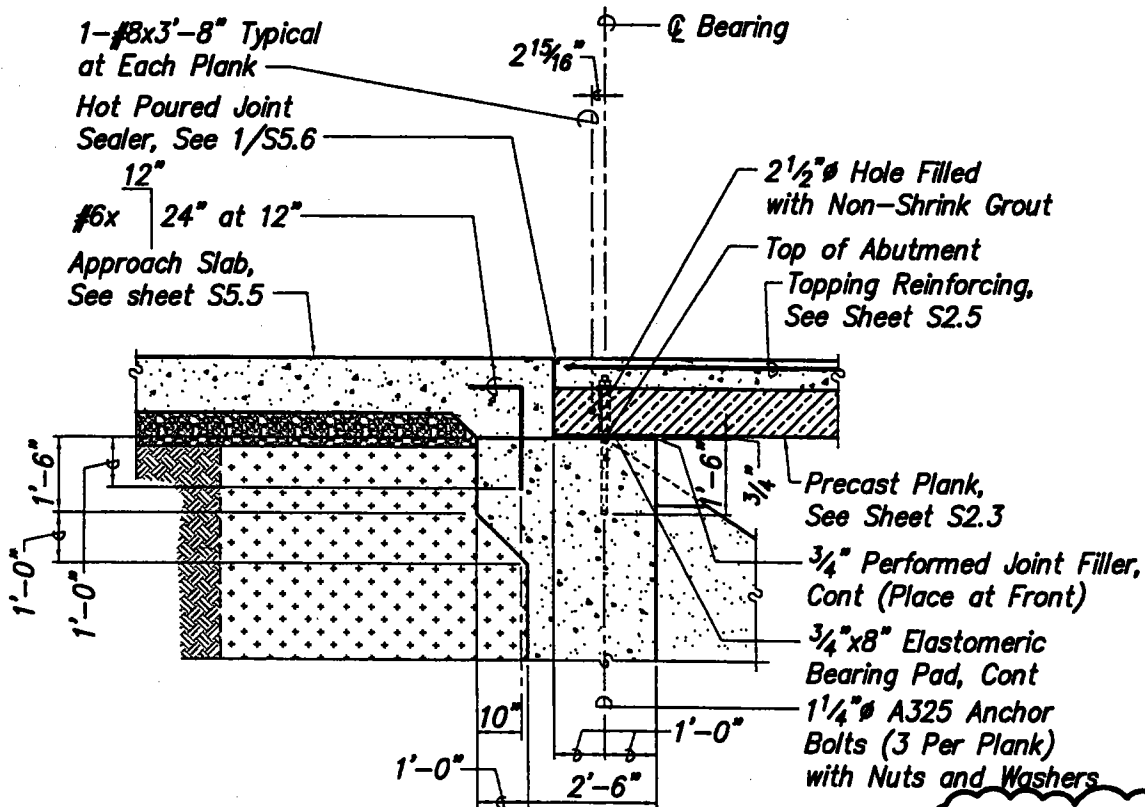
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
602.0091	REINFORCING STEEL FOR ABUTMENT FOOTINGS (49,000 LBS.)	L.S.	L.S.	L.S.	\$ _____
602.0092	REINFORCING STEEL FOR BRIDGE DECK (73,000 LBS.)	L.S.	L.S.	L.S.	\$ _____
602.0093	REINFORCING STEEL FOR PIER WALLS (52,000 LBS.)	L.S.	L.S.	L.S.	\$ _____
602.0094	REINFORCING STEEL FOR PIER WALL FOOTINGS (11,600 LBS.)	L.S.	L.S.	L.S.	\$ _____
602.1910	REINFORCING STEEL FOR APPROACH SLABS (19,000 LBS.)	L.S.	L.S.	L.S.	\$ _____
602.1920	REINFORCING STEEL FOR CHANNEL BOTTOM (11,000 LBS.)	L.S.	L.S.	L.S.	\$ _____
606.3111	GUARDRAIL TYPE 3 - THRIE BEAM TRANSITION	300	LIN FT	\$ _____	\$ _____
606.3112	GUARDRAIL TYPE 3 - W-BEAM WITH STRONG POST	267	LIN FT	\$ _____	\$ _____
606.3113	GUARDRAIL TYPE 3 - W-BEAM WITH LONG STRONG POST	223	LIN FT	\$ _____	\$ _____
606.3114	GUARDRAIL TYPE 3 - MODIFIED DELEWARE RETROFIT	312	LIN FT	\$ _____	\$ _____
606.3115	GUARDRAIL TYPE 3 - SINGLE WITH RUB RAIL ON STEEL POST	123	LIN FT	\$ _____	\$ _____
606.3116	TERMINAL SECTION TYPE, FLEAT 350 GUARDRAIL	6	EA	\$ _____	\$ _____
606.3117	TERMINAL SECTION TYPE, MODIFIED TYPE "A-1" FLARE	2	EA	\$ _____	\$ _____
607.9040	BARBED WIRE FENCE AND HOG WIRE FENCE	305	LIN FT	\$ _____	\$ _____
612.0100	GROUTED RUBBLE PAVING	1,330	S.Y.	\$ _____	\$ _____
613.0100	CENTERLINE AND REFERENCE SURVEY MONUMENTS	3	EA	\$ _____	\$ _____
616.0100	SPRINKLER SYSTEM (78,540 S.F.)	L.S.	L.S.	L.S.	\$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
621.9000	RELOCATION OF EXISTING SIGN, WITH POST	10	EA	\$ _____	\$ _____
624.0205	1-INCH AIR RELIEF VALVE ASSEMBLY	1	EA	\$ _____	\$ _____
624.0701	CONNECT NEW 8-INCH WATER TO EXISTING 8-INCH WATER (WL STA. 0+00)	L.S.	L.S.	L.S.	\$ _____
624.0702	CONNECT NEW 8-INCH WATER TO EXISTING 8-INCH WATER (WL STA. 7+53.63)	L.S.	L.S.	L.S.	\$ _____
624.1121	FURNISHING AND INSTALLING 8-INCH MECHANICAL JOINT DUCTILE IRON PIPE (CLASS 52)	754	LIN FT	\$ _____	\$ _____
624.1122	FURNISHING AND INSTALLING DUCTILE IRON FITTINGS	1,000	LB	\$ _____	\$ _____
624.1167	FURNISHING AND INSTALLING PVC PIPE AND FITTINGS, 2-INCH SCH. 150	L.S.	L.S.	L.S.	\$ _____
624.1172	FURNISHING AND INSTALLING 8-INCH GATE VALVE	3	EA	\$ _____	\$ _____
624.1783	FURNISHING AND INSTALLING TYPE "X" METER BOX INCLUDING CAST IRON COVER	1	EA	\$ _____	\$ _____
624.1845	FURNISHING AND INSTALLING 1-INCH SINGLE SERVICE LATERAL AND ALL APPURTENANCES	1	EA	\$ _____	\$ _____
624.6300	FURNISHING AND INSTALLING BACK-FLOW PREVENTER SYSTEM (FOR HOSPITAL)	L.S.	L.S.	L.S.	\$ _____
629.1011	4-INCH PAVEMENT STRIPING (THERMOPLASTIC EXTRUSION)	1,025	L.F.	\$ _____	\$ _____
629.1012	8-INCH PAVEMENT STRIPING (THERMOPLASTIC EXTRUSION)	2,258	L.F.	\$ _____	\$ _____
629.1013	12-INCH PAVEMENT STRIPING (THERMOPLASTIC EXTRUSION)	55	L.F.	\$ _____	\$ _____

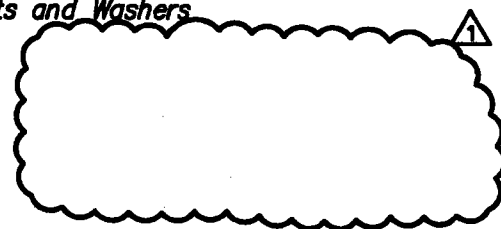
PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
699.1000	MOBILIZATION (NOT TO EXCEED 10% OF THE SUM OF ALL ITEMS EXCLUDING THE BID PRICE OF THIS ITEM, ALL CONTRACT ITEMS UNDER SECTION 660 - PROBING AND GROUTING AT STRUCTURE FOOTINGS, ALLOWANCE, FIELD OFFICE, SITE LABORATORY, AND FORCE ACCOUNT ITEMS)	L.S.	L.S.	L.S.	\$ _____
<p>a. SUM OF ALL ITEMS \$ _____</p> <p>b. EITHER FURNISH FOREIGN STEEL NOT TO EXCEED MINIMAL AMOUNT (INSERT "0") OR FURNISH FOREIGN STEEL IN EXCESS OF MINIMAL AMOUNT (INSERT "25% x a") \$ _____</p> <p>c. SUBTOTAL \$ _____</p> <p>d. BRIDGE COMPLETION TIME X ROAD USER COST \$ _____ _____ Calendar Days X \$10,000.00/Calendar Day</p> <p>e. AMOUNT FOR COMPARISON OF BIDS (c+d) \$ _____</p> <p>Bidders must complete items a through e, including the Bridge Completion Time, in calendar days. The Bridge Completion Time shall not exceed the maximum specified in Subsection 103.01 - Consideration of Proposals.</p> <p>Bidders must complete all unit prices. Failure to do so may be grounds for rejection of bid.</p>					



SECTION

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



ADDENDUM #1 (△)

REFERENCE
SHEET NO.

73

SHEET NO.

SKS-1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MAMALAHOA HIGHWAY

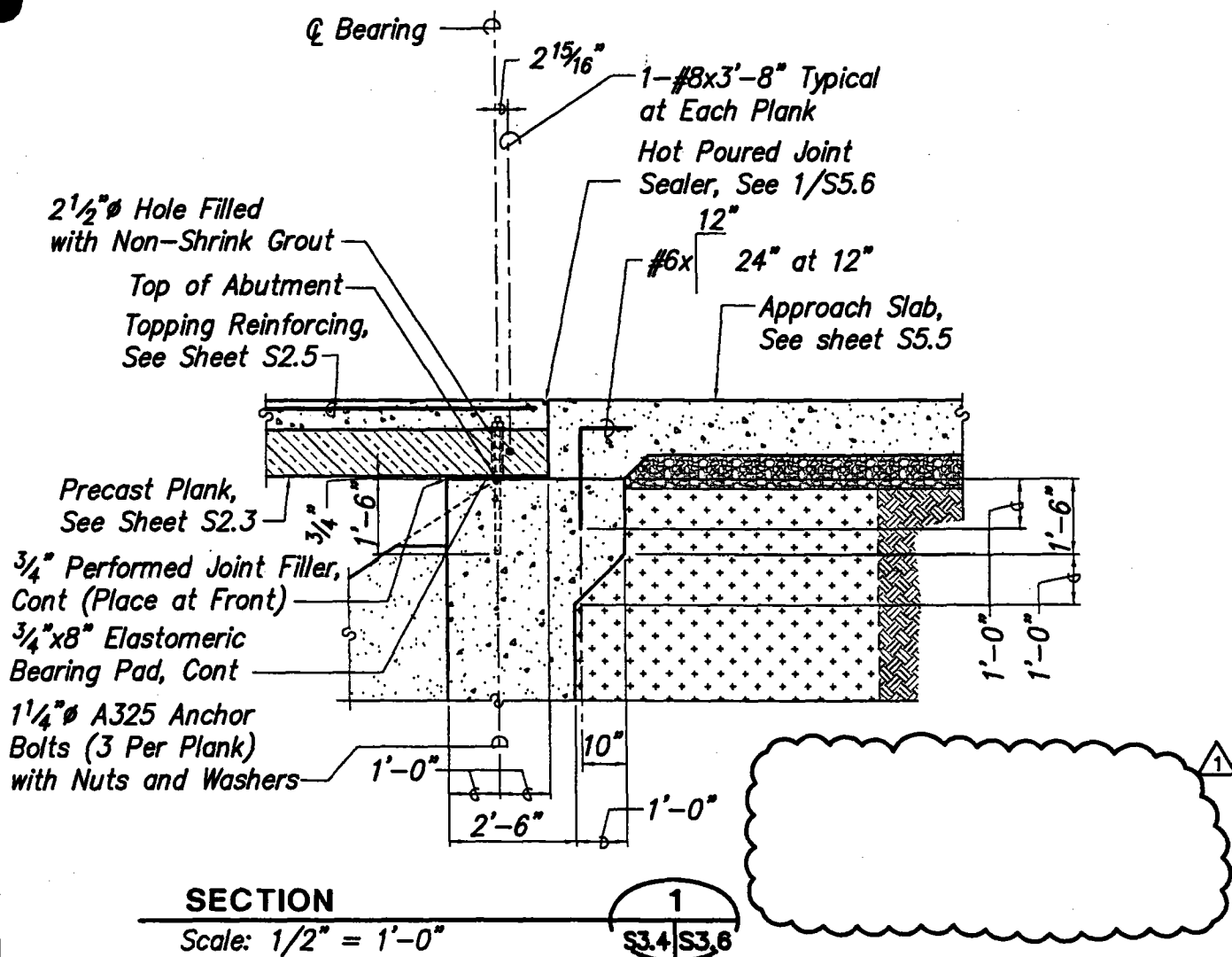
EMERGENCY REPLACEMENT OF PAUUAU STREAM BRIDGE
FEDERAL AID PROJECT NO ER-12(3)

SCALE:
NTS

DRAWN BY:
JT

DATE:
5/13/2002

CHECKED BY:
KH



ADDENDUM #1 (1)

REFERENCE SHEET NO.

75

SHEET NO.

SKS-2

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 MAMALAHOA HIGHWAY

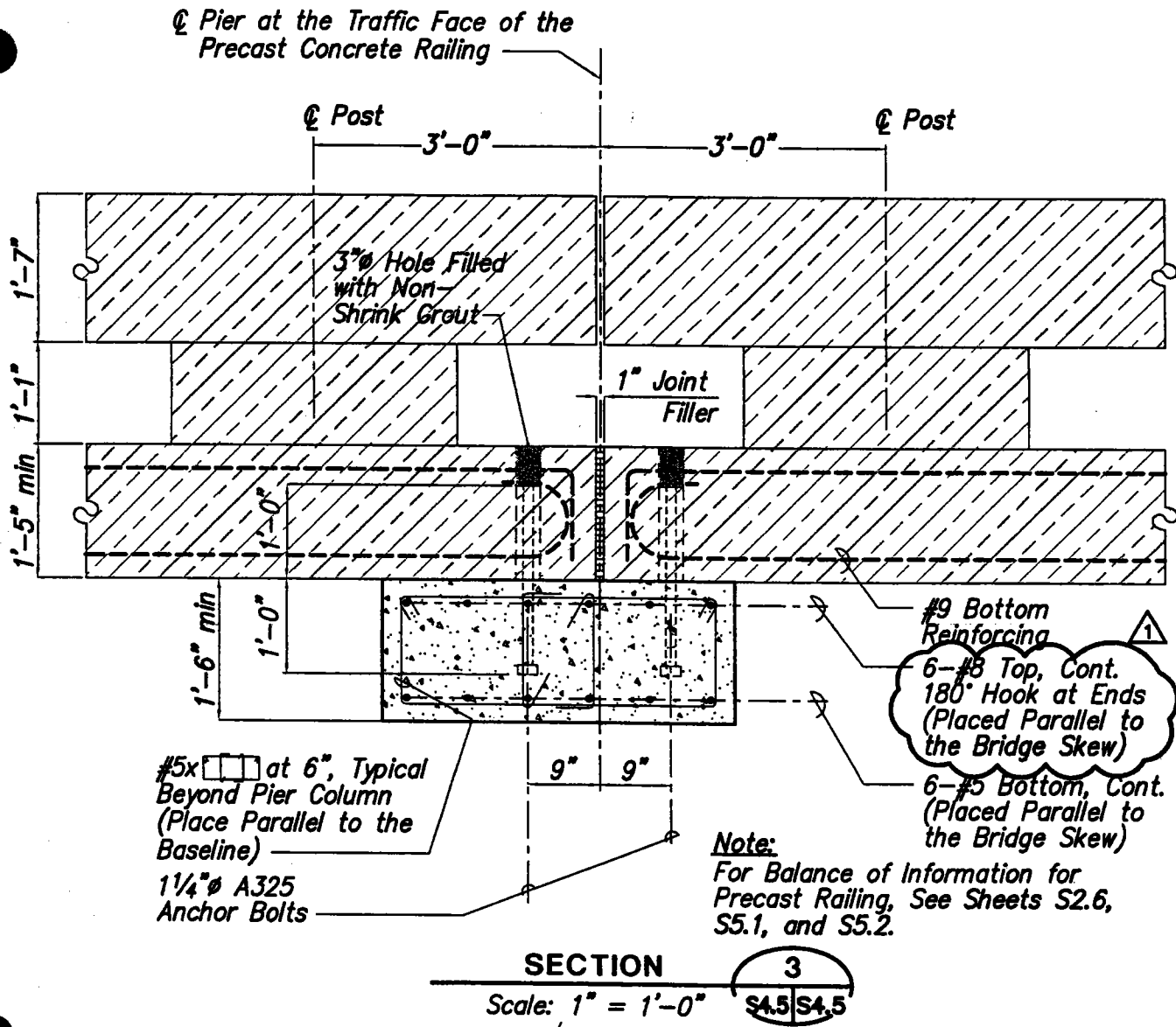
EMERGENCY REPLACEMENT OF PAUUAU STREAM BRIDGE
 FEDERAL AID PROJECT NO ER-12(3)

SCALE:
 NTS

DRAWN BY:
 JT

DATE:
 5/13/2002

CHECKED BY:
 KH



ADDENDUM #1 (1)

REFERENCE
SHEET NO.

80

SHEET NO.

SKS-3

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 MAMALAHOA HIGHWAY

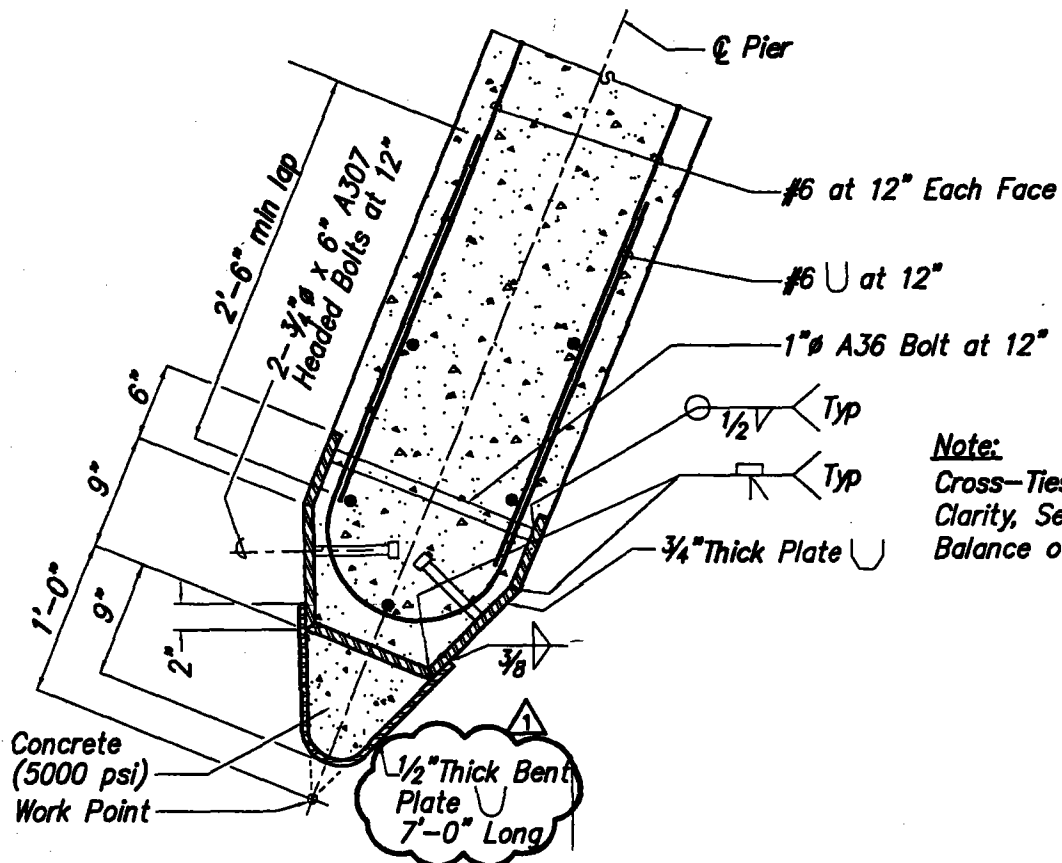
SCALE:
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DRAWN BY:
 JT

DATE:
 5/13/2002

CHECKED BY:
 KH

EMERGENCY REPLACEMENT OF PAUUAU STREAM BRIDGE
 FEDERAL AID PROJECT NO ER-12(3)



UPSTREAM PIER NOSING DETAIL

Scale: 1" = 1'-0"

4
S4.5/S4.5

ADDENDUM #1 (A)

REFERENCE SHEET NO.

80

SHEET NO.

SKS-4

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MAMALAHOA HIGHWAY

EMERGENCY REPLACEMENT OF PAUUAU STREAM BRIDGE
FEDERAL AID PROJECT NO ER-12(3)

SCALE:
NTS

DATE:
5/13/2002

DRAWN BY:
JT

CHECKED BY:
KH