

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

ADDENDUM NO. 1

for

**INSTALLATION OF PAVEMENT PRESERVATION STRATEGIES AND
SURFACE TREATMENTS AT VARIOUS LOCATIONS
ISLANDS OF MAUI, MOLOKAI, AND LANAI
FEDERAL-AID PROJECT NO. STP-0900(097)**

The following amendments shall be made to the Bid Documents:

A. SPECIAL PROVISIONS

1. Replace Special Provision Section 102 dated 7/6/18 with the attached Special Provision Section 102 dated r8/6/18.
2. Replace Special Provision Section 106 dated 03/27/06 with the attached Special Provision Section 106 dated r7/18/18.
3. Replace Special Provision Section 110 dated 2/7/18 with the attached Special Provision Section 110 dated r8/6/18.
4. Insert the attached Special Provision Section 413 – Cold Planing of Weakened Pavement Areas dated r7/9/18.
5. Remove Special Provision Section 414 – Reconstruction of Weakened Pavement Areas dated 7/6/18.
6. Replace Figure 4 with the attached Figure 4 dated r7/9/18.
7. Replace the Federal Wage Rates dated 07/6/2018 with the attached Federal Waged Rates dated 08/3/2018.

B. PROPOSAL

1. Replace Proposal Page P-1 dated 1/31/18 with the attached Proposal Page P-1 dated r8/6/18.
2. Replace Proposal Pages P-2 to P-4 dated 6/13/17 with the attached Proposal Pages P-2 to P-4 dated r7/20/18.
3. Replace Proposal Schedule Pages P-18 to P-27 dated 2/7/18 with the

**Addendum No. 1
r8/6/18**

attached Proposal Schedule Pages P-18 to P-27 dated r8/6/18.

4. Replace Proposal Schedule Page P-28 dated 6/8/18 with the attached Proposal Schedule Page P-28 dated r7/30/18.


D. PRE-BID MEETING MINUTES


1. Attached are the July 30, 2018 Pre-bid Meeting Minutes and Attendance Sheets for your information.

E. ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDERS

1. Attached are RFIs and responses for your information.

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.



JADE T. BUTAY
 Director of Transportation

1 Make this section a part of the Standard Specifications:
2

3 **"SECTION 102 - BIDDING REQUIREMENTS AND CONDITIONS**
4

5 **102.01 Prequalification of Bidders.** Prospective bidders shall be
6 capable of performing the work for which they are bidding.
7

8 In accordance with HRS Chapter 103D-310, the Department may require
9 any prospective bidder to submit answers to questions contained in the
10 'Standard Qualification Questionnaire For Prospective Bidders On Public Works
11 Contracts' furnished by the Department, properly executed and notarized,
12 setting forth a complete statement of the experience of such prospective bidder
13 and its organization in performing similar work and a statement of the equipment
14 proposed to be used, together with adequate proof of the availability of such
15 equipment. Whenever it appears to the Department, from answers to the
16 questionnaire or otherwise, that the prospective bidder is not fully qualified and
17 able to perform the intended work, the Department will, after affording the
18 prospective bidder an opportunity to be heard and if still of the opinion that the
19 bidder is not fully qualified to perform the work, refuse to receive or consider any
20 bid offered by the prospective bidder. All information contained in the answers
21 to the questionnaire shall be kept confidential. Questionnaire so submitted
22 shall be returned to the bidders after serving their purpose.
23

24 No person, firm or corporation may bid where (1) the person, firm, or
25 corporation, or (2) a corporation owned substantially by the person, firm, or
26 corporation, or (3) a substantial stockholder or an officer of the corporation, or
27 (4) a partner or substantial investor in the firm is in arrears in payments owed to
28 the State or its political subdivisions or is in default as a surety or failure to do
29 faithfully and diligently previous contracts with the State.
30

31 **102.02 Contents of Proposal Forms.** The Department will furnish
32 prospective bidders with proposal forms stating:
33

- 34 (1) The location,
35
36 (2) Description of the proposed work,
37
38 (3) The approximate quantities,
39
40 (4) Items of work to be done or materials to be furnished,
41
42 (5) A schedule of items, and
43
44 (6) The time in which the work shall be completed.
45

Papers bound with or attached to the proposal form are part of the proposal. The bidder shall not detach or alter the papers bound with or attached to the proposal when the bidder submits its proposal.

Also, the bidder shall consider other documents including the plans and specifications a part of the proposal form whether attached or not.

102.03 Issuance of Proposal Forms. The Department reserves the right to refuse to issue proposal forms to prospective bidders, which refusal may be based on the following:

- (1) Lack of competency or adequate machinery, plant, and other equipment (which determination may be based on the financial statement and experience questionnaires required under Subsection 102.01 - Prequalification of Bidders);
- (2) Uncompleted work that might hinder or prevent the prompt completion of additional work if awarded;
- (3) Failure to pay or settle bills due for labor and material on former contracts in force at the time of issuance of the project proposal forms;
- (4) Failure to comply with qualification regulations of the Department;
- (5) Default under previous contracts; or
- (6) Lack of responsibility and cooperation from past work.

102.04 Estimated Quantities. The quantities shown in the contract are approximate and are for the comparison of bids only. The actual quantity of work may not correspond with the quantities shown in the contract. The Department will make payment to the Contractor for unit price items in accordance with the contract for only the following:

- (1) Actual quantities of work done and accepted, not the estimated quantities; or
- (2) Actual quantities of materials furnished, not the estimated quantities.

The Department may increase, decrease, or omit each scheduled quantities of work to be done and materials to be furnished.

102.05 Examination of Contract and Site of Work. The bidder shall examine carefully the site of the proposed work and contract before submitting a proposal.

By the act of submitting a bid for the proposed contract, the bidder warrants that:

(1) The bidder and its Subcontractors have reviewed the contract documents and found them free from ambiguities and sufficient for the purpose intended;

(2) The bidder and its workers, employees and subcontractors have the skills and experience in the type of work required by the contract documents bid upon;

(3) Neither the bidder nor its employees, agents, suppliers or subcontractors have relied upon verbal representations from the Department, its employees or agents, including architects, engineers or consultants, in assembling the bid figure; and

(4) The bases for the bid figure are solely on the construction contract documents.

Also, the bidder warrants that the bidder has examined the site of the work. From its investigations, the bidder acknowledges satisfaction on:

(1) The nature and location of the work;

(2) The character, quality, and quantity of materials;

(3) The difficulties to be encountered; and

(4) The kind and amount of equipment and other facilities needed;

Subsurface information or hydrographic survey data furnished are for the bidders' convenience only. The data and information furnished are the product of the Department's interpretation gathered in investigations made at the specific locations. These conditions may not be typical of conditions at other locations within the project area or that such conditions remain unchanged. Also, conditions found at the time of the subsurface explorations may not be the same conditions when work starts. The bidder shall be solely responsible for assumptions, deductions, or conclusions the bidder may derive from the subsurface information or data furnished.

If the Engineer determines that the natural conditions differ from that originally anticipated or contemplated by the Contractor in the items of excavation, the State may treat the difference in natural conditions, as falling within the meaning of Subsection 104.02 – Changes.

102.06 Preparation of Proposal. Bidders may bid on any or all areas. To be considered, bidder must submit a bid for all items within an area. The

submittal of its proposal shall be on forms furnished by the Department. The bidder shall specify in words or figures:

- (1) A unit price for each pay item with a quantity given;
- (2) The products of the respective unit prices and quantities
- (3) The lump sum amount; and
- (4) The total amount of the proposal obtained by adding the amounts of the several items.

The words and figures shall be in ink or typed. If a discrepancy occurs between the prices written in words and those written in figures, the prices written in words shall govern.

When an item in the proposal contains an option to be made, the bidder shall choose in accordance with the contract for that particular item. Determination of an option will not permit the Contractor to choose again.

The bidder shall sign the proposal properly in ink. A duly authorized representatives of the bidder or by an agent of the bidder legally qualified and acceptable to the Department shall sign, including one or more partners of the bidder and one or more representatives of each entity comprising a joint venture.

When an agent, other than the officer(s) of a corporation authorized to sign contracts for the corporation or a partner of a partnership, signs the proposals, a 'Power of Attorney' shall be on file with the Department or submitted with the proposal. Otherwise, the Department will reject the proposal as irregular and unauthorized.

The bidder shall submit acceptable evidence of the authority of the partner, member(s) or officer(s) to sign for the partnership, joint venture, or corporation respectively with the proposal. Otherwise, the Department will reject the proposal as irregular and unauthorized.

102.07 Irregular Proposals. The Department may consider proposals irregular and may reject the proposals for the following reasons:

- (1) The proposal is a form not furnished by the Department, altered, or detached;
- (2) The proposal contains unauthorized additions, conditions, or alternates. Also, the proposal contains irregularities that may tend to make the proposal incomplete, indefinite, or ambiguous to its meaning;

(3) The bidder adds provisions reserving the right to accept or reject an award. Also, the bidder adds provisions into a contract before an award;

(4) The proposal does not contain a unit price for each pay item listed except authorized optional pay items; and

(5) Prices for some items are out of proportion to the prices for other items.

(6) If in the opinion of the Director, the bidder and its listed subcontractors do not have the Contractor's licenses or combination of Contractor's licenses necessary to complete the work.

Where the prospective bidder is bidding on multiple projects simultaneously and the proposal limits the maximum gross amount of awards that the bidder can accept at one bid letting, the proposal is not irregular if the limit on the gross amount of awards is clear and the Department selects the awards that can be given.

102.08 Proposal Guaranty. In as much as the contract to be executed is a price-term, open end, or requirements contract under which the contract price, or total amount to be paid the Contractor cannot be determined at the time the contract is executed, the proposal guaranty required shall be in the following amounts:

<u>Proposal</u>	<u>Security Amount</u>
A – Area 1	\$25,000.00
B – Area 2	\$25,000.00
C – Area 3	\$25,000.00
D – Area 4	\$25,000.00
E – Area 5	\$25,000.00
F – Area 6	\$25,000.00

The Department will not consider a proposal of \$25,000 or more unless accompanied by:

(1) A deposit of legal tender; or

(2) A valid surety bid bond, underwritten by a company licensed to issue bonds in the State of Hawaii, in the form and composed, substantially, with the same language as provided herewith and signed by both parties; or

(3) A certificate of deposit, share certificate, cashier's check, treasurer's check, teller's check, or official check drawn by, or a certified

check accepted by and payable on demand to the State by a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation (FDIC) or the National Credit Union Administration (NCUA).

(a) The bidder may use these instruments only to a maximum of \$100,000.

(b) If the required security or bond amount totals over \$100,000 more than one instrument not exceeding \$100,000 each and issued by different financial institutions shall be acceptable.

(c) The instrument shall be made payable at sight to the Department.

102.09 Delivery of Proposal. The Bidder shall submit the proposal in a sealed envelope, bearing on the outside the identity of the project and the its name and address. The Department will reject and return a proposal unopened if received after the time set for the opening of bids.

102.10 Withdrawal or Revision of Proposals. A bidder may withdraw or revise a proposal after the bidder deposits the proposal with the Department, provided the Department receives such withdrawal or revision request in writing before the time set for the opening of bids.

102.11 Public Opening of Proposals. The Department will open and read the proposals publicly at the time and place shown in the Notice to Bidders. Invited are bidders, their authorized agents, and other interested parties to be present.

102.12 Disqualification of Bidders. The Department may disqualify a bidder and reject its proposal for the following reasons:

(1) Submittal of more than one proposal whether under the same or different name.

(2) Evidence of collusion among bidders. The Department will not recognize participants in collusion as bidders for any future work of the Department until such participants are reinstated as qualified bidders.

(3) Lack of proposal guaranty.

(4) Submittal of an unsigned or improperly signed proposal.

(5) Submittal of a proposal without a listing of subcontractors or containing only a partial or incomplete listing of subcontractors.

(6) Submittal of an irregular proposal in accordance with Subsection 102.07 - Irregular Proposals.

(7) Evidence of assistance from a person who has been an employee of the agency within the preceding two years and who participated while in State office or employment in the matter with which the contract is directly concerned, pursuant to HRS Chapter 84-15.

(8) Suspended or debarred in accordance with HRS Chapter 104-25.

(9) Failure to complete the prequalification questionnaire.

(10) Failure to attend the mandatory pre-bid meeting, if applicable.

102.13 Material Guaranty. The successful bidder may be required to furnish a statement of the composition, origin, manufacture of materials, and samples.

102.14 Substitution of Materials and Equipment Before Bid Opening. See Subsection 106.13 for Substitution Of Materials and Equipment After Bid Opening.

(A) General. When brand names of materials or equipment are specified in the contract documents, they are to indicate a quality, style, appearance, or performance and not to limit competition. The bidder shall base its bid on one of the specified brand names unless alternate brands are qualified as equal or better in an addendum. Qualification of such proposed alternate brands shall be submitted in writing and addressed to the Contracts Officer. The face of the envelope containing the request must be clearly marked 'SUBSTITUTION REQUEST'. The request may be hand-carried or mailed to the DOT Contracts Office, Room 105, 869 Punchbowl Street, Honolulu, Hawaii 96813. In either case, the written request must be received by the DOT Contracts Office no later than 14 calendar days before the bid opening date, not including the bid opening date. The written request will be time stamped by the DOT Contracts Office. For the purpose of this section, the time designated by the time stamping device in the DOT Contracts Office shall be official. If the written request is hand-carried, the bearer is responsible to ensure that the request is time stamped by the DOT Contracts Office.

Submit 5 sets of the written request, technical brochures, and a statement of variances.

An addendum will be issued to inform all prospective bidders of any accepted substitution in accordance with Subsection 102.17 – Addenda .

327 **(B) Statement of Variances.** The statement of variances must list
328 all features of the proposed substitution that differ from the contract
329 documents and must further certify that the substitution has no other
330 variant features. The brochure and information submitted shall be
331 clearly marked showing make, model, size, options, and any other
332 features requested by the Engineer and must include sufficient evidence
333 to evaluate each feature listed as a variance. A request will be denied if
334 submitted without sufficient evidence. If after installing the substituted
335 product, an unlisted variance is discovered, the Contractor shall
336 immediately replace the product with a specified product at no increase in
337 contract price and contract time.
338

339 **(C) Substitution Denial.** Any substitution request not complying
340 with the above requirements will be denied.
341

342 **102.15 Preferences.** Preferences shall not apply to this project.
343

344 **102.16 Certification for Safety and Health Program for Bids in excess**
345 **of \$100,000.** In accordance with HRS Chapter 396-18, the bidder or offeror,
346 by signing and submitting this proposal, certifies that a written safety and health
347 plan for this project will be available and implemented by the notice to proceed
348 date for this project. Details of the requirements of this plan may be obtained
349 from the State Department of Labor and Industrial Relations, Occupational
350 Safety and Health Division (HIOSH).
351

352 **102.17 Addenda.** Addenda issued shall become part of the contract
353 documents. Addenda to the bid documents will be provided to all prospective
354 bidders at the respective offices furnished for such purposes. Each addendum
355 shall be an addition to the contract documents. The terms and requirements of
356 the bid documents (i.e. drawings, specifications and other bid and contract
357 documents) cannot be changed prior to the bid opening except by a duly issued
358 addendum."
359

360
361
362
363
364 **END OF SECTION 102**

1 **SECTION 106 – MATERIAL RESTRICTIONS AND REQUIREMENTS**

2
3 Make the following amendment to said Section:

4
5 **(I)** Amend **106.04 – Material Sample** by revising lines 42 to 48 to read as
6 follows:

7
8 **“106.04 Contractor Sampling and Testing.** Acceptance Sampling and
9 Testing by Contractor with Verification by District or County, or their designated
10 agents.

11
12 **(A) Contractor Sampling and Testing.**

13
14 The Contractor shall provide to the Department a testing plan for
15 each material. The testing plan shall be submitted prior to the beginning
16 of production or placement of the material.

17
18 The laboratory the contractor uses for testing needs to be
19 AASHTO resource (Formerly AMRL) accredited or a comparable
20 laboratory accreditation program approved by Federal Highway
21 Administration (FHWA), with testing personnel qualified under the
22 Personnel Qualification Program, in the test methods used for the testing.
23 Documentation showing the accreditation needs to be submitted to the
24 HDOT Construction office responsible for the project and Materials
25 Testing and Research Branch (MTRB) before any testing occurs.

26
27 **(1)** Project specifications shall specify minimum quantity of
28 tests required for Contractor Sampling and Testing. Except as
29 otherwise specified, minimum sampling and testing shall be in
30 accordance with the requirements shown on the most current
31 Sampling and Testing Guide for Acceptance and Verification
32 (Appendix 3). Sampling location shall be as indicated on the
33 Sampling and Testing Guide for Acceptance and Verification.

34
35 **(2)** Project specifications shall require the Contractor to
36 designate a Quality Control (CQC) Manager, who shall be
37 responsible for managing, controlling, and documenting all
38 activities to ensure material compliance with the contract plans and
39 specifications.

40
41 **(3)** Project specifications shall require the Contractor to prepare
42 and submit a Quality Control Plan for projects over \$1,000,000.

43
44 **(4)** Samples shall be selected by the random sampling method
45 according to ASTM D 3665, Random Sampling of Construction
46 Materials.
47

48 (5) The Project Engineer shall transmit the Design Contractor's
49 test results with the yellow sample card (Form MTRB CJC 2 or
50 CJC-2a — Appendix 2) to MTRB.
51

52 **(B) Verification Sampling and Testing.**
53

54 (1) To validate product quality, Verification Sampling and
55 Testing shall be performed by qualified sampling and testing
56 personnel employed by the State or County or its designated
57 agent, excluding qualified sampling and testing personnel
58 employed by the Contractor. When the Contractor and State or
59 County test results differ by more than the allowable standards
60 established by MTRB, dispute resolution procedures shall be
61 followed.
62

63 (2) Frequency of Verification Sampling and Testing shall be a
64 minimum of 10 percent of the Contractor Sampling and Testing
65 requirements. Frequency may be increased by the State or the
66 County based on a history of dissimilar test results between
67 Contractor and Verification testing.
68

69 (3) Verification samples shall be random samples (ASTM D
70 3665) taken at the same general location of the Design-
71 Contractor's sample.
72

73 (4) Verification samples or test data shall be transmitted with
74 the blue sample card (Form MTRB VJC-3 or VJC 3a — Appendix
75 2) to MTRB.
76

77 **(C) Dispute Resolution Procedures.** Conflicts between the Engineer
78 and the Contractor, resulting from discrepancies in testing or non-test-
79 related material quality disputes, shall be resolved by using the steps
80 outlined below. Non-test-related disputes may include such items as
81 segregation, workmanship, flushing, open joints, non-uniform mats, and
82 other issues. If mutually agreed to by the disputed parties, other forms of
83 resolution may be used. Any deviations from the following procedures
84 shall be agreed to in writing.
85

86 **(1) Case I: Test Related Disputes:**
87

88 **(a) Step I: Project Investigation.**
89

90 Personnel responsible for the Contractor
91 Sampling and Testing and Verification Sampling and
92 Testing shall review sampling procedures, testing
93 procedures, testing equipment, and computations.
94 The intent of this investigation is to ensure that

proper procedures are followed, equipment used is properly calibrated and functioning, and computational errors are ruled out. If problems are found, corrective action shall be taken.

If Step I does not resolve conflict, procedures in Step II shall be followed.

(b) Step II: Third Party Investigation.

Third party shall be the MTRB or a non-Highways Division laboratory designated by the Engineer. The MTRB shall be viewed as an “unbiased” third party, although technically not totally independent. The designated non-Highways Division laboratory shall be accredited in the applicable test by the AASHTO Accreditation Program or a comparable laboratory accreditation program approved by Federal Highway Administration (FHWA), with testing personnel qualified under the Personnel Qualification Program. The non-Highways Division laboratory third party shall not, in any way, be involved in the Contractor Sampling and Testing, Verification Sampling and Testing, or IA Sampling and Testing on the disputed project.

Designated third party shall examine the following:

(i) Past similar/dissimilar comparisons for the disputed item to identify any particular trends.

(ii) Results of the project-level investigation.

(iii) Results of the Independent Assurance Program.

A sample shall be split among the Contractor, Engineer, and third party to compare test results. Third party may perform additional verification testing, at the project-level investigation, as necessary.

Results obtained from split samples or new samples and verification testing shall be evaluated to

142 decide whether initial test results obtained by the
143 Contractor or the Engineer more accurately represent
144 the particular material property. Third party shall
145 submit a written report describing dispute, all
146 subsequent actions, and final recommendation.

147
148 If this investigation shows that the Engineer's
149 tests are correct, the Contractor shall pay for the cost
150 of the third party investigation. Similarly, if the
151 investigation shows that the Contractor's tests are
152 correct, the Engineer will pay the cost of the third
153 party investigation.

154
155 **(2) Case II: Non-Test Related Disputes:**

156
157 **(a) Step I: Project Investigation.**

158
159 The Contractor and the Engineer will jointly
160 quantify the dispute (e.g., the area of segregation,
161 etc.), its severity, and impact on facility performance.
162 When testing is required to assist in dispute
163 resolution, all parties shall agree to the sampling and
164 testing plan, testing agency, and disposition of these
165 findings before starting.

166
167 If Step I does not resolve dispute to the
168 satisfaction of all parties within a previously agreed
169 time, procedures in Step II shall be followed.

170
171 **(b) Step II: Third Party Investigation.**

172
173 Resolution shall be arbitrated by an unbiased
174 third party designated by the Engineer. Third party
175 shall submit a written report describing dispute, all
176 subsequent required actions, and final
177 recommendation.

178
179 When disputes are resolved by an unbiased
180 third party, the Engineer and the Contractor shall
181 share cost of third party investigation. Conclusions
182 and recommendations made by any unbiased third
183 party shall be binding.

184
185 **(D) Submittals.** Acceptance, Contractor, and Verification Test data, and
186 any Dispute Resolution reports shall be submitted to MTRB. MTRB will
187 review all project test data to ensure that materials incorporated in
188 construction work conform to approved plans and specifications. Based

189 on this information, MTRB will issue a materials certification to FHWA for
190 each construction project that is subject to FHWA construction oversight
191 activities (see Section VII).”
192

193 **(I)** Amend **106.05(B) – Deviation** by revising the third sentence from line 106
194 to 108 to read as follows:

195
196 “Any deviations will be subject to Subsection 102.14 – Substitution of Materials
197 and Equipment Before Bid Opening.
198
199
200
201

202
203 **END OF SECTION 106**

1 Make this section part of the standard specifications:
2

3 **"SECTION 110 – INSTALLATION OF PAVEMENT PRESERVATION STRATEGIES**
4 **AND SURFACE TREATMENTS AT VARIOUS LOCATIONS**
5

6 **110.01 Scope of Work.** The work shall consist of furnishing all labor, necessary
7 equipment, materials and traffic control, to repair pavement at various locations, and to
8 apply surface treatments at various locations on the Islands of Maui, Molokai, and Lanai
9 as requested by the Department by way of work orders during the term of the contract.
10 All work shall be performed in a professional manner in accordance with current practices
11 and this document. All asphalt and asphalt concrete base debris shall be removed daily
12 at all locations. See Subsection 110.03 – Area of Coverage.
13

14 The Contractor shall work as directed by the Highways Division's Maui District
15 Maintenance Engineer. The Contractor, as per Section 110.04 – Safety and
16 Convenience, shall provide traffic control and its cost shall be inclusive of asphalt
17 concrete pavement, slurry seal, and crack seal work cost.
18

19 The Contractor shall possess an "A" General Engineering Contractor's license, or
20 "C-3" Asphalt Paving and Surfacing Contractor's license, or "C-3a" Asphalt Concrete
21 Patching, Sealing, and Striping Contractor's license for the full term of the contract, and
22 shall have possessed the license prior to the award of the contract. Failure to meet this
23 requirement shall be cause for disqualification.
24

25 Pavement repair shall consist of one of the following:
26

27 **1. 1-1/2" Cold Planing and Resurfacing with Hot Mix Asphalt Pavement.**
28 Cold plane damaged or deteriorated pavement areas at a depth of one and one
29 half (1-1/2) inches and resurface with new 1-1/2 inches Hot Mix Asphalt (HMA)
30 Pavement, Mix No. IV. The minimum width of the cold planed area shall be
31 nine (9) feet wide to include both vehicle wheel ruts in the reconstructed area. The
32 new resurfaced finish grade shall be the existing road grade. Pavement surface
33 that varies more than 3/16 inch from testing edge of straightedge between two
34 contacts exceeds surface tolerance.
35

36 Schedule the work so that the areas are resurfaced before the completion
37 of the day's work.
38

39 **2. 2" Cold Planing and Resurfacing with Hot Mix Asphalt Pavement.**
40 Cold-plane damaged or deteriorated pavement areas at a depth of two (2) inches
41 and resurface with new 2 inches HMA Pavement, Mix No. IV. The minimum
42 width of the cold planed area shall be nine (9) feet wide to include both vehicle
43 wheel ruts in the reconstructed area. The new resurfaced finish grade shall be the
44 existing road grade. Pavement surface that varies more than 3/16 inch from
45 testing edge of straightedge between two contacts exceeds surface tolerance.
46

Schedule the work so that the areas are resurfaced before the completion of the day's work.

3. Cold Planing of Weakened Pavement Areas. Cold plane at a depth of 6 inches, backfill the cold planed weakened pavement areas with 2 to 4-1/2 inches Hot Mix Asphalt Base Course, and resurface with 1-1/2 to 4 inches HMA Pavement, Mix No. IV for a total pavement section of 6 inches. The new resurfaced finish grade shall be the existing road grade. Pavement surface that varies more than 3/16 inch from testing edge of straightedge between two contacts exceeds surface tolerance.

See Figure 4, for Cold Planing of Weakened Pavement Area Typical Section.

Schedule the work so that the cold planed areas are backfilled before the completion of the day's work.

4. Cut Cores in Existing Pavement. Cut four-inch (4") diameter sample cores to the full depth of the existing pavement. The intention of this work is to determine the condition of the underlying pavement structure and base. The number of cores and the location of the sampling shall be as directed. The core holes shall be filled with hot mix AC of the type used in the paving of the section being repaired.

5. Leveling of Existing Pavement. Install HMA Concrete Pavement to level dips, sags, and depressions as directed by the Engineer. The new leveled surface finish grade shall be the existing road grade. Pavement surface that varies more than 3/16 inch from testing edge of straightedge between two contacts exceeds surface tolerance. Leveling of Existing Pavement shall be incidental to paving work.

6. Slurry Seal. See Section 404 – Slurry Seal.

7. Crack Seal. See Section 408 – Crack Seal.

If the existing pavement marking is required to be removed during pavement repair or other work done under this contract, the Contractor shall install temporary pavement markings. This work shall be considered incidental to the appropriate pavement repairs.

110.02 Contract Period and Option to Extend. The period of the contract shall be for 12 months commencing from the Start Work Date indicated from the Department. There is an option to extend for 2 additional 12 month periods, without re-bidding, upon mutual agreement in writing prior to the contract expiration date, provided the initial bid price remains the same. The maximum contract period is 36 months.

Failure by the Contractor to execute the amendment to extend the contract within the number of days specified under Section 103.07 - Failure to Execute Contract may

be cause for cancellation of the written agreement to extend the contract and may be subject to disqualification from bidding future projects for a two-year period in accordance with Section 102.12 - Disqualification of Bidders.

110.03 Area of Coverage. The project requires the Contractor to install pavement markings and milled rumble strip at various locations on the Island of Maui. Work shall be along the corresponding routes as shown on the attached maps of the Island of Maui, Molokai, and Lanai (Figures 1 thru 3). Note: There are numerous side streets with or without route numbers along State highways where State Jurisdiction extends various distances into side streets. The six areas are:

(A) Area 1 (Central)

ROUTE 30, Honoapiilani Highway, Main Street to North Kihei Road
ROUTE 31, Piilani Highway
ROUTE 32, Kaahumanu Avenue
ROUTE 32A, Hobron Avenue
ROUTE 36, Hana Highway, Kaahumanu Avenue to Kaupakalua Road
ROUTE 36A, Haleakala Highway and Keolani Place
ROUTE 37, Haleakala Highway, Hana Highway to Kula Highway
ROUTE 310, North Kihei Road
ROUTE 311, Maui Veterans Highway
ROUTE 340, Kahekili Highway
ROUTE 380, Dairy Road and Kuihelani Highway
ROUTE 3400, Kahului Beach Road and Waiehu Beach Road
ROUTE 3500, Puunene Avenue
ROUTE 3800, Airport Access Road

(B) Area 2 (Upcountry)

ROUTE 37, Kula Highway
ROUTE 377, Haleakala Highway and Kekaulike Avenue
ROUTE 378, Haleakala Crater Road

(C) Area 3 (Lahaina)

ROUTE 30, Honoapiilani Highway

(D) Area 4 (Hana)

ROUTE 360, Hana Highway, Kaupakalua Road to Hana Bay

(E) Area 5 (Molokai)

ROUTE 450, Kamehameha V Highway
ROUTE 460, Kaunakakai Place and Maunaloa Highway
ROUTE 470, Kalae Highway
ROUTE 480, Farrington Avenue and Puupeelua Avenue

(F) Area 6 (Lanai)

ROUTE 440, Kaumalapau Highway and Manele Road

110.04 Safety and Convenience. The Contractor shall at all times conduct his work to assure the least possible obstruction to public traffic. The Safety and convenience of the general public and the protection of persons and property is of utmost importance, and the Contractor shall provide appropriate traffic control and safety measures. The Contractor and his employees shall treat members of the public in a fair and polite manner. Workers shall present a professional appearance and conduct themselves in a professional manner at all times.

All Traffic Control and safety measures shall be done in Conformance with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition. Costs for traffic control shall include set-up and removal of all signs, cones, delineators, barricades, flag persons, police officers, arrow boards, etc., and shall be included in the contract price of the various contract items in Section 401 – Hot Mix Asphalt Pavement. See Section 645 – Work Zone Traffic Control.

Do not close traffic lanes or slow down traffic during the following peak hours (unless otherwise approved by the Engineer):

Morning Peak Hours	6:00 A.M. to 8:30 A.M.
Afternoon Peak Hours	3:00 P.M. to 6:00 P.M.

Above peak hours are daily except Saturdays, Sundays and holidays.

Night work is not allowed under this contract.

The Contractor must notify all private property owners in the vicinity where pavement repair is performed in the event that the work may hinder access to their property. The Contractor must also secure permission prior to entering private property to do pavement repair, if any.

The Contractor shall remove debris daily and shall leave the work site in a condition equal to or cleaner than prior to commencing work. The Contractor shall be responsible for all hauling and lawful disposal of debris. Any unauthorized or illegal disposal is grounds for termination of the contract.

110.05 Hours of Operation. The Contractor shall be available to provide the specified services during normal working hours and complete the services within the period specified in the work order or as directed by the Engineer. Normal working days and hours for the project are defined as Monday through Friday, 8:30 A.M. to 3:00 P.M., except for State holidays.

Refer to Section 645 – Work Zone Traffic Control. Authorized Highways personnel will contact the Contractor to schedule work, as needed. All services requested after

normal work hours may be charged in accordance with Subsection 107.04 – Overtime and Night Work.

110.06 Disposal of Debris. The Contractor shall be responsible for all hauling and dump fees and shall include the cost of these items in his bid. Any unauthorized or illegal disposal is grounds for termination of the contract.

110.07 Work Orders. The Engineer or his representative will email, phone, or text a work order (Figure 5) for each pavement work. Within 48 hours of receiving a work order, the Contractor shall submit a proposed work schedule that demonstrates that work will begin within 2 weeks and be completed by the date indicated on the work order. At certain work sites, erosion control plans or BMP plans will be requested by the Engineer. Submit the signed work order, proposed schedule and BMP plans for approval to the Highways Division District Office, District Engineer, 650 Palapala Drive, Kahului, Hawaii 96732. Work shall not be performed unless the Contractor receives an approval from the Engineer. The Engineer or his representative shall authorize any increases in the total price.

110.08 Basis of Payment. Pavement repairs will be made through purchase orders placed with the Contractor during the contract period for which payment will be based on the quantities placed and the unit bid prices in the proposal schedule which prices shall include payment for all materials, equipment, tools, labor, and incidentals necessary to complete the pavement repairs.

The Contractor shall submit monthly invoices to the Maui District Office, District Engineer, 650 Palapala Drive, Kahului, Hawaii 96732, if services are rendered. (See Subsection 109.08 - Progress Payments)."

END OF SECTION 110

1 Make the following section a part of the Standard Specifications:

2
3 **“SECTION 413 – COLD PLANING OF WEAKENED PAVEMENT AREAS**

4
5 **413.01 Description.** This section describes cold planing and resurfacing of
6 weakened pavement areas of the existing roadway.

7
8 **413.02 Materials.**

9
10 Hot Mix Asphalt Base Course 301.02

11
12 **413.03 Construction.** Saw cut and cold plane weakened pavement areas as
13 indicated in the contract documents. Cold planing area boundaries shall have square
14 vertical faces after saw cutting.

15
16 The depth of cold planing for weakened pavement areas shall be the thickness
17 shown in the contract or as ordered by the Engineer. Consider the depth of cold
18 planing for weakened pavement areas to be equal to the thickness of the new pavement
19 section if the contract shows no depth. Replace the cold planed areas with hot mix
20 asphalt base course in accordance with Section 301 – Hot Mix Asphalt Base Course
21 (HMABC).

22
23 Complete backfilling of cold planed areas before end of workday.

24
25 **413.04 Measurement.** The Engineer will measure cold planing of weakened
26 pavement areas per square yard as determined by the Engineer.

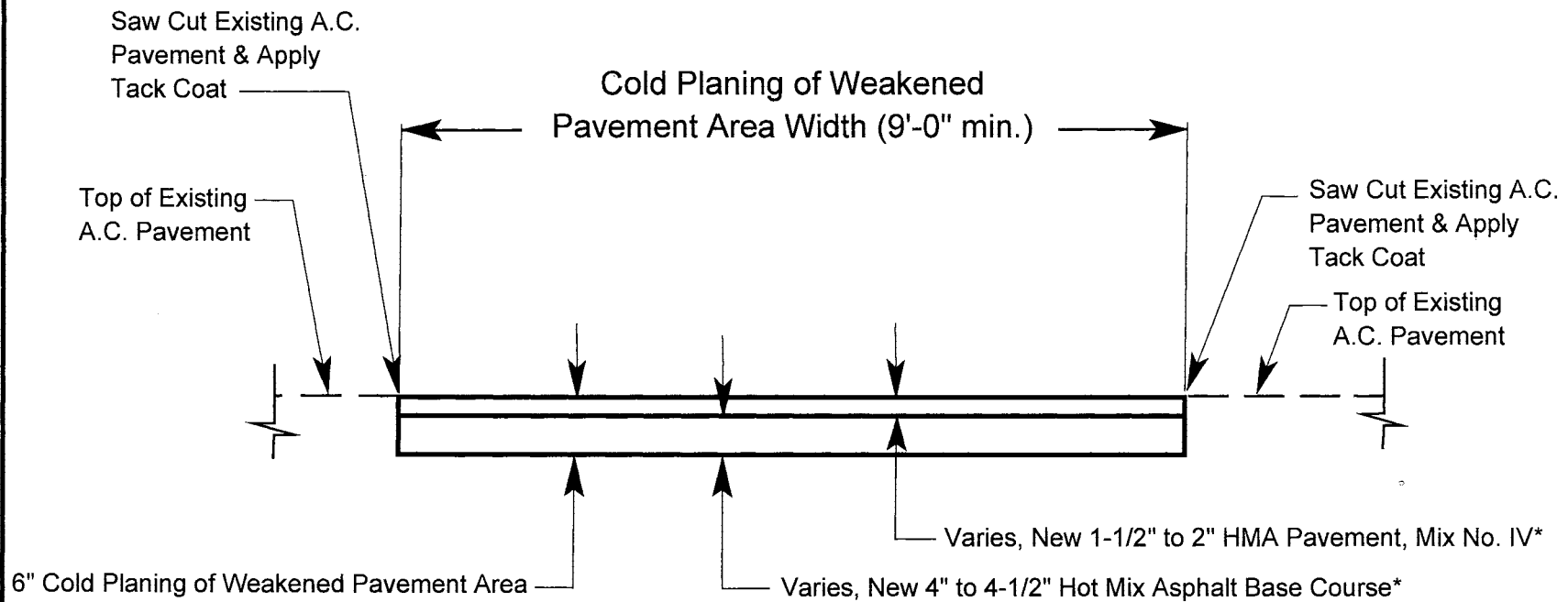
27
28 **413.05 Payment.** The Engineer will pay for the accepted cold planing of
29 weakened pavement areas at the contract unit price per square yard. The price
30 includes full compensation for removing and disposing of all existing raised pavement
31 markers and traffic tapes; cold planing; saw cutting; compacting the bottom grade;
32 backfilling and compacting HMABC; furnishing the asphalt concrete pavement;
33 spreading, furnishing, applying, and protecting the tack coat; compacting and
34 finishing the asphalt concrete pavement; sampling; protecting the pavement; installing
35 temporary pavement markings; disposing excavated materials; and furnishing
36 equipment, tools, materials, labor, and incidentals necessary to complete the work.

37
38 The Engineer will make payment under:

39
40

Pay Item	Pay Unit
Cold Planing of Weakened Pavement Areas	Square Yard”

41
42
43
44
45 **END OF SECTION 413**



COLD PLANING OF WEAKENED PAVEMENT AREA TYPICAL SECTION

Not to Scale

*Note: Total thickness of HMA Pavement, Mix No. IV and Hot Mix Asphalt Base Course shall equal 6 inches.

STP-0900(097)
 FIGURE 4
 Addendum No. 1
 7/9/18

General Decision Number: HI180001 08/03/2018 HI1

Superseded General Decision Number: HI20170001

State: Hawaii

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

Counties: Hawaii Statewide.

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

Note: Under Executive Order (EO) 13658, an hourly minimum wage
of \$10.35 for calendar year 2018 applies to all contracts
subject to the Davis-Bacon Act for which the contract is
awarded (and any solicitation was issued) on or after January
1, 2015. If this contract is covered by the EO, the contractor
must pay all workers in any classification listed on this wage
determination at least \$10.35 per hour (or the applicable wage
rate listed on this wage determination, if it is higher) for
all hours spent performing on the contract in calendar year
2018. The EO minimum wage rate will be adjusted annually.
Please note that this EO applies to the above-mentioned types
of contracts entered into by the federal government that are
subject to the Davis-Bacon Act itself, but it does not apply to
contracts subject only to the Davis-Bacon Related Acts,
including those set forth at 29 CFR 5.1(a)(2)-(60). Additional
information on contractor requirements and worker protections
under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2018
1	01/26/2018
2	02/23/2018
3	03/09/2018
4	04/27/2018
5	07/06/2018
6	07/20/2018
7	08/03/2018

ASBE0132-001 08/31/2015

	Rates	Fringes
--	-------	---------

Asbestos Workers/Insulator

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.....\$ 39.65

23.50

BOIL0627-005 01/01/2013

	Rates	Fringes
BOILERMAKER.....	\$ 35.20	27.35

BRHI0001-001 09/04/2017

	Rates	Fringes
BRICKLAYER		
Bricklayers and Stonemasons.....	\$ 44.55	23.22
Pointers, Caulkers and Weatherproofers.....	\$ 45.01	23.22

BRHI0001-002 09/04/2017

	Rates	Fringes
Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders.....	\$ 44.54	22.72
Terrazzo Floor Grinders and Tenders.....	\$ 42.99	22.72
Tile, Marble and Terrazzo Workers.....	\$ 46.35	22.72

CARP0745-001 09/04/2017

	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.....	\$ 47.45	21.66
Millwrights and Machine Erectors.....	\$ 47.70	21.66
Power Saw Operators (2 h.p. and over).....	\$ 47.60	21.66

CARP0745-002 09/04/2017

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....	\$ 47.70	21.66

ELEC1186-001 02/18/2018

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 53.68	28.79
Electricians.....	\$ 48.80	28.64
Telecommunication worker....	\$ 28.44	11.94

ELEC1186-002 02/18/2018

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 53.68	28.79

Groundmen/Truck Drivers.....	\$ 36.60	28.28
Heavy Equipment Operators....	\$ 43.92	28.50
Linemen.....	\$ 48.80	28.64
Telecommunication worker....	\$ 28.44	11.94

ELEV0126-001 01/01/2018

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 57.36	32.65

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

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

ENGI0003-002 09/04/2017

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba)		
(over a depth of 30 feet)...	\$ 65.00	30.93
Diver (Aqua Lung) (Scuba)		
(up to a depth of 30 feet)...	\$ 55.63	30.93
Stand-by Diver (Aqua Lung)		
(Scuba).....	\$ 46.25	30.93
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	\$ 65.00	30.93
Diver Tender (Other than Aqua Lung).....	\$ 43.22	30.93
Stand-by Diver (Other than Aqua Lung).....	\$ 46.25	30.93
Helicopter Work		
Airborne Hoist Operator for Helicopter.....	\$ 44.80	30.93
Co-Pilot of Helicopter.....	\$ 44.94	30.93
Pilot of Helicopter.....	\$ 45.11	30.93
Power equipment operator - tunnel work		
GROUP 1.....	\$ 41.24	30.93
GROUP 2.....	\$ 41.35	30.93
GROUP 3.....	\$ 41.52	30.93
GROUP 4.....	\$ 41.79	30.93
GROUP 5.....	\$ 42.10	30.93
GROUP 6.....	\$ 42.75	30.93
GROUP 7.....	\$ 43.07	30.93
GROUP 8.....	\$ 43.18	30.93
GROUP 9.....	\$ 43.29	30.93
GROUP 9A.....	\$ 43.52	30.93
GROUP 10.....	\$ 43.58	30.93
GROUP 10A.....	\$ 43.73	30.93
GROUP 11.....	\$ 43.88	30.93
GROUP 12.....	\$ 44.24	30.93
GROUP 12A.....	\$ 44.60	30.93
Power equipment operators:		
GROUP 1.....	\$ 40.94	30.93
GROUP 2.....	\$ 41.05	30.93
GROUP 3.....	\$ 41.22	30.93
GROUP 4.....	\$ 41.49	30.93

GROUP 5.....	\$ 41.80	30.93
GROUP 6.....	\$ 42.45	30.93
GROUP 7.....	\$ 42.77	30.93
GROUP 8.....	\$ 42.88	30.93
GROUP 9.....	\$ 42.99	30.93
GROUP 9A.....	\$ 43.22	30.93
GROUP 10.....	\$ 43.28	30.93
GROUP 10A.....	\$ 43.43	30.93
GROUP 11.....	\$ 43.58	30.93
GROUP 12.....	\$ 43.94	30.93
GROUP 12A.....	\$ 44.30	30.93
GROUP 13.....	\$ 41.22	30.93
GROUP 13A.....	\$ 41.49	30.93
GROUP 13B.....	\$ 41.80	30.93
GROUP 13C.....	\$ 42.45	30.93
GROUP 13D.....	\$ 42.77	30.93
GROUP 13E.....	\$ 42.88	30.93

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.

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

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

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

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

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

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

BOOMS AND/OR LEADS (HOURLY PREMIUMS):

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

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

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

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

ENGI0003-004 09/04/2017

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 41.22	30.93
Boat Operator.....	\$ 43.43	30.93
Master Boat Operator.....	\$ 43.58	30.93
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 43.94	30.93
GROUP 2.....	\$ 43.28	30.93
GROUP 3.....	\$ 42.88	30.93
GROUP 4.....	\$ 41.22	30.93
Dredging: (Derricks)		
GROUP 1.....	\$ 43.94	30.93
GROUP 2.....	\$ 43.28	30.93
GROUP 3.....	\$ 42.88	30.93
GROUP 4.....	\$ 41.22	30.93
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 43.58	30.93
GROUP 2.....	\$ 43.43	30.93
GROUP 3.....	\$ 43.28	30.93
GROUP 4.....	\$ 43.22	30.93
GROUP 5.....	\$ 37.88	26.76
Group 5.....	\$ 42.88	30.93
GROUP 6.....	\$ 37.77	26.76
Group 6.....	\$ 42.77	30.93
GROUP 7.....	\$ 36.22	26.76
Group 7.....	\$ 41.22	30.93

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

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

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

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

DERRICK CLASSIFICATIONS

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

 ENGI0003-044 09/04/2017

	Rates	Fringes
Power Equipment Operators (PAVING)		
Asphalt Concrete Material		
Transfer.....\$ 41.92		30.53
Asphalt Plant Operator.....\$ 42.35		30.53
Asphalt Raker.....\$ 40.96		30.53
Asphalt Spreader Operator...\$ 42.44		30.53
Cold Planer.....\$ 42.75		30.53
Combination Loader/Backhoe (over 3/4 cu.yd.).....\$ 40.96		30.53
Combination Loader/Backhoe (up to 3/4 cu.yd.).....\$ 39.98		30.53
Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals).....\$ 41.92		30.53
Grader.....\$ 42.75		30.53
Laborer, Hand Roller.....\$ 40.46		30.53
Loader (2 1/2 cu. yds. and under).....\$ 41.92		30.53
Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....\$ 42.24		30.53
Roller Operator (five tons and under).....\$ 40.69		30.53
Roller Operator (over five tons).....\$ 42.12		30.53
Screed Person.....\$ 41.92		30.53
Soil Stabilizer.....\$ 42.75		30.53

 IRON0625-001 09/01/2017

	Rates	Fringes
--	-------	---------

Ironworkers:.....\$ 39.00 34.65
 a. Employees will be paid \$.50 per hour more while working in tunnels and coffer dams; \$1.00 per hour more when required to work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.

 LAB00368-001 09/04/2017

	Rates	Fringes
Laborers:		
Driller.....	\$ 37.40	19.26
Final Clean Up.....	\$ 27.80	15.14
Gunite/Shotcrete Operator and High Scaler.....	\$ 36.90	19.26
Laborer I.....	\$ 36.40	19.26
Laborer II.....	\$ 33.80	19.26
Mason Tender/Hod Carrier....	\$ 36.90	19.26
Powderman.....	\$ 37.40	19.26
Window Washer (bosun chair).\$	35.90	19.26

LABORERS CLASSIFICATIONS

Laborer I: Air Blasting run by electric or pneumatic compressor; Asphalt Laborer, Ironer, Raker, Luteman, and Handroller, and all types of Asphalt Spreader Boxes; Asphalt Shoveler; Assembly and Installation of Multiplates, Liner Plates, Rings, Mesh, Mats; Batching Plant (portable and temporary); Boring Machine Operator (under streets and sidewalks); Buggymobile; Burning and Welding; Chainsaw, Faller, Logloader, and Bucker; Compactors (Jackson Jumping Jack and similar); Concrete Bucket Dumpman; Concrete Chipping; Concrete Chuteman/Hoseman (pouring concrete) (the handling of the chute from ready-mix trucks for such jobs as walls, slabs, decks, floors, foundations, footings, curbs, gutters, and sidewalks); Concrete Core Cutter (Walls, Floors, and Ceiling); Concrete Grinding or Sanding; Concrete: Hooking on, signaling, dumping of concrete for tremie work over water on caissons, pilings, abutments, etc.; Concrete: Mixing, handling, conveying, pouring, vibrating, otherwise placing of concrete or aggregates or by any other process; Concrete: Operation of motorized wheelbarrows or buggies or machines of similar character, whether run by gas, diesel, or electric power; Concrete Placement Machine Operator: operation of Somero Hammerhead, Copperheads, or similar machines; Concrete Pump Machine (laying, coupling, uncoupling of all connections and cleaning of equipment); Concrete and/or Asphalt Saw (Walking or Handtype) (cutting walls or flatwork) (scoring old or new concrete and/or asphalt) (cutting for expansion joints) (streets and ways for laying of pipe, cable or conduit for all purposes); Concrete Shovelers/Laborers (Wet or Dry); Concrete Screeding for Rough Strike-Off: Rodding or striking-off, by hand or mechanical means prior to finishing; Concrete Vibrator Operator; Coring Holes: Walls, footings, piers or other obstructions for passage of pipes or conduits for any purpose and the pouring of concrete to secure the hole; Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Curbing (Concrete and Asphalt); Curing of Concrete (impervious membrane and form oiler) mortar and other materials by any mode or method; Cut Granite Curb Setter (setting, leveling and grouting of all precast concrete or stone curbs); Cutting and Burning Torch

(demolition); Dri Pak-It Machine; Environmental Abatement: removal of asbestos, lead, and bio hazardous materials (EPA and/or OSHA certified); Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Forklift (9 ft. and under); Gas, Pneumatic, and Electric tools; 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) heat welding for sewer pipes and fusion of HDPE pipes; Heavy Highway Laborer (Rigging, signaling, handling, and installation of pre-cast catch basins, manholes, curbs and gutters); High Pressure Nozzlemans - Hydraulic Monitor (over 100# pressure); 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); Nozzlemans (Sandblasting and/or Water Blasting): handling, placing and operation of nozzle; Operation, Manual or Hydraulic jacking of shields and the use of such other mechanical equipment as may be necessary; Pavement Breakers; Paving, curbing and surfacing of streets, ways, courts, under and overpasses, bridges, approaches, slope walls, and all other labor connected therewith; Pilecutters; Pipe Accessment in place, bolting and lining up of sectional metal or other pipe including corrugated pipe; Pipelayers 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, HDPE, 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, Pipewrappers, Caulkers, Banders, 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 Contractor 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, HDPE 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); Powderman's Tender; 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; Rigging in connection

with Laborers' work (except demolition), Signaling (including the use of walkie talkie) Choke Setting, tag line usage; Tagging and Signaling of building materials into high rise units; Riprap, Stonepaver, and Rock Slinger (includes placement of stacked concrete, wet or dry and loading, unloading, signaling, slinging and setting of other similar materials); Rotary Scarifier (including multiple head concrete chipping Scarifier); Salamander Heater, Drying of plaster, concrete mortar or other aggregate; Scaffold Erector Leadman; Scaffolds: (Swing and hanging) including maintenance thereof; Scaler; Septic Tank/Cesspool and Drain Fields Digger and Installer; Shredder/Chipper (tree branches, brush, etc.); Stripping and Setting Forms; Stripping of Forms: Other than panel forms which are to be re-used in their original form, and stripping of forms on all flat arch work; Tampers (Barko, Wacker, and similar type); Tank Scaler and Cleaners; Tarman; Tree Climbers and Trimmers; Trencher (includes hand-held, Davis T-66 and similar type); Trucks (flatbed up to and including 2 1/2 tons when used in connection with on-site Laborers' work; Trucks (Refuse and Garbage Disposal) (from job site to dump); Vibra-Screed (Bull Float in connection with Laborers' work); Well Points, Installation of or any other dewatering system.

Laborer II: Asphalt Plant Laborer; Boring Machine Tender; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; 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; 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); 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, breaking away, cleaning and removal of all fixtures, 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's Tender; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); 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; General Excavation; Backfilling, Grading and all other 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. Preparation of street ways and bridges; General Laborer: Cleaning and Clearing of all debris and surplus material. Clean-up of right-of-way. Clearing and slashing of brush or trees by hand or mechanical cutting. General Clean up: sweeping, cleaning, wash-down, wiping of construction facility and equipment (other than "Light Clean up

(Janitorial) Laborer. Garbage and Debris Handlers and Cleaners. Appliance Handling (job site) (after delivery unloading in storage area); Ground and Soil Treatment Work (Pest Control); Guniting/Shotcrete Operator Tender; Junk Yard Laborers (same as Salvage Yard); 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 signaling from truck, conveyance or stockpile; Material Yard Laborers; Pipelayer Tender; Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, Creosote, and similar-type materials (pipe under 6 inches); Plasterer Laborer; 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; 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; Sandblasting Tender (Pot Tender): Hoses and pots or markers; Scaffolds: Erection, planking and removal of all scaffolds used for support for lathers, plasters, brick layers, masons, and other construction trades crafts; Scaffolds: (Specially designed by carpenters) laborers shall tend said carpenter on erection and dismantling thereof, preparation for foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalers; Shipwright Tender; 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); 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 and false work.

LAB00368-002 09/04/2017

Rates	Fringes
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Landscape & Irrigation

Laborers

GROUP 1.....	\$ 24.85	11.97
GROUP 2.....	\$ 25.65	11.97
GROUP 3.....	\$ 20.65	11.97

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 runing, 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.

LAB00368-003 09/04/2017

	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 37.00	19.26
GROUP 2.....	\$ 38.50	19.26
GROUP 3.....	\$ 39.00	19.26
GROUP 4.....	\$ 40.00	19.26
GROUP 5.....	\$ 40.35	19.26
GROUP 6.....	\$ 40.60	19.26
GROUP 7.....	\$ 41.05	19.26

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); Microtunnel Laborer; Headman; Cherry Picker (where car is lifted); Nipper; Grout Gunmen; Grout Pumpman & Potman; Gunite, Shotcrete Gunmen & Potmen; Concrete Finisher (in tunnel); Concrete Screed Man; Bit Grinder; Steel Form Raisers & Setters; High Pressure Nozzleman; Nozzleman (on slick line); Sandblaster-Potman (combination work assignment interchangeable); Tugger

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

GROUP 6: Shifter

GROUP 7: Shifter (Shaft Work & Raiser)

PAIN1791-001 07/01/2018

	Rates	Fringes
Painters:		
Brush.....	\$ 37.35	27.85
Sandblaster; Spray.....	\$ 37.35	27.85

PAIN1889-001 07/01/2018

	Rates	Fringes
Glaziers.....	\$ 38.00	31.78

PAIN1926-001 02/26/2017

	Rates	Fringes
Soft Floor Layers.....	\$ 33.00	27.73

PAIN1944-001 01/01/2018

	Rates	Fringes
Taper.....	\$ 42.10	24.25

PLAS0630-001 09/04/2017

	Rates	Fringes
PLASTERER.....	\$ 40.54	28.23

PLAS0630-002 09/04/2017

	Rates	Fringes
Cement Masons:		
Cement Masons.....	\$ 39.70	29.38
Trowel Machine Operators....	\$ 39.85	29.38

* PLUM0675-001 07/01/2018

	Rates	Fringes
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Plumber, Pipefitter,
Steamfitter & Sprinkler Fitter...\$ 45.49 26.02

ROOF0221-001 11/05/2017

Rates Fringes

Roofers (Including Built Up,
Composition and Single Ply).....\$ 39.85 17.66

SHEE0293-001 09/03/2017

Rates Fringes

Sheet metal worker.....\$ 41.80 26.53

SUHI1997-002 09/15/1997

Rates Fringes

Drapery Installer.....\$ 13.60 1.20

FENCE ERECTOR (Chain Link
Fence).....\$ 9.33 1.65

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

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 (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate

(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

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

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

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

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

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

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

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

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

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

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

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

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END OF GENERAL DECISION

**PROPOSAL TO THE
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION**

PROJECT: **INSTALLATION OF PAVEMENT PRESERVATION
STRATEGIES AND SURFACE TREATMENTS AT
VARIOUS LOCATIONS**

**FEDERAL-AID
PROJECT NO.:** **STP-0900(097)**

COMPLETION TIME: **Twelve (12) Months from the Notice to Proceed date
from the Department with an option to extend for two (2)
additional twelve (12) month periods upon mutual
agreement.**

DBE PROJECT GOAL:	1.4% - Area 1	29.7% - Area 2
	2.1% - Area 3	29.9% - Area 4
	1.0% - Area 5	29.6% - Area 6

DESIGN PROJECT MANAGER:

NAME:	Li Nah Okita
ADDRESS:	601 Kamokila Boulevard, Room 609 Kapolei, HI 96707
PHONE NO.:	(808) 692-7581
FAX NO.:	(808) 692-7590

Director of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Sir:

The undersigned bidder declares the following:

1. It has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.
2. It has not been assisted or represented on this matter by any individual who has, in a State capacity, been involved in the subject matter of this contract within the past two years.
3. It has not and will not, either directly or indirectly offered or given a gratuity (i.e., an entertainment or gift) to any State or County employee to obtain a contract or favorable treatment under a contract.
4. It will not maintain for its employees any segregated facilities at any of its establishments.
5. Does not and will not permit its employees to perform their services at any location under its control, where segregated facilities are maintained.

The undersigned bidder further agrees to the following:

1. If this proposal is accepted, it shall execute a contract with the Department to provide all necessary labor, machinery, tools, equipment, apparatus and any other means of construction, to do all the work and to furnish all the materials specified in the contract in the manner and within the time therein prescribed in the contract, and that it shall accept in full payment therefore the sum of the unit and/or lump sum prices as set forth in the attached proposal schedule for the actual quantities of work performed and materials furnished and furnish satisfactory security in accordance with Section 103D-324, Hawaii Revised Statutes, within 10 days after the award of the contract or within such time as the Director of Transportation may allow after the undersigned has received the contract documents for execution, and is fully aware that non-compliance with the aforementioned terms will result in the forfeiture of the full amount of the bid guarantee required under Section 103D-323, Hawaii Revised Statutes.
2. That the quantities given in the attached proposal schedule are approximate only and are intended principally to serve as a guide in determining and comparing the bids.

3. That the Department does not either expressly or by implication, agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, or to omit portions of the work, as may be deemed necessary or advisable by the Director of Transportation, and that all increased or decreased quantities of work shall be performed at the unit prices set forth in the attached proposal schedule except as provided for in the specifications.
4. In case of a discrepancy between unit prices and the totals in said Proposal Schedule, the unit prices shall prevail.
5. Unless amended by Special Provision, agrees to begin work within 10 working days after the date of notification to commence with the work, which date is in the notice to proceed, and shall finish the entire project within the time prescribed.
6. The Director of Transportation reserves the right to reject any or all bids and to waive any defects when in the Director's opinion such rejections or waiver will be for the best interest of the public.

The bidder acknowledges receipt of and certifies that it has completely examined the following listed items: Hawaii Standard Specifications for Road and Bridge Construction, 2005, and/or the General Provisions for Construction Projects for AIR and WATER Transportation Facilities Division dated 2016, as applicable, the Notice to Bidders, Special Provisions, Proposal, Contract, Bond Forms, and Project Plans.

In accordance with Section 103D-323, Hawaii Revised Statutes, this proposal is accompanied with a bid security in the amount of \$25,000.00 per Area, in the form checked below. (Check applicable bid security submitted with bid.)

_____ Surety Bid Bond (Use standard form),

_____ Cash,

_____ Cashier's Check,

_____ Certified Check, or

(Fill in other acceptable security.)

The undersigned bidder acknowledges receipt of any addendum issued by the Department by recording in the space below the date of receipt.

Addendum No. 1 _____

Addendum No. 3 _____

Addendum No. 2 _____

Addendum No. 4 _____

In accordance with Section 103D-302, Hawaii Revised Statutes, the undersigned as bidder has listed the name of each person or firm, who will be engaged by the bidder on the project as Joint Contractor or Subcontractor and the nature of work to be done by each on the following page. It is understood that failure to comply with the aforementioned requirements may be cause for rejection of the bid submitted.

The undersigned bidder asserts that affirmative action has been taken to seek out and consider Disadvantaged Business Enterprises (DBEs) for portions of the work which can be subcontracted, and the affirmative actions of the bidder are fully documented in its records and are available upon request by the Department. It is also understood that it must meet or exceed the DBE contract goals listed on page P-1, or demonstrate that it made good faith efforts to meet the DBE project goal for the Area(s) that it bid on. The undersigned as bidder, agrees to utilize each participating DBE that it submitted for the Area(s) that it bid on to meet the contract goal of

_____ % - Area 1	_____ % - Area 2
_____ % - Area 3	_____ % - Area 4
_____ % - Area 5	_____ % - Area 6

(percentage to be completed by bidder, use N/A for the Area(s) the bidder has not bid on) DBE participation if the contract is awarded to it, and shall maintain such DBE participation during the construction of this project.

PROPOSAL SCHEDULE – AREA 1 (Central)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0412	1-1/2 Inch HMA Pavement, Mix No. IV (5,281 SY to 12,320 SY)	225,000	SY	\$ _____	\$ _____
401.0422	2 Inch HMA Pavement, Mix No. IV	175,000	SY	\$ _____	\$ _____
401.0700	Overtime Labor Premium	F.A.	F.A.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
404.0100	Slurry Seal, Type III	105,000	SY	\$ _____	\$ _____
408.0110	Crack Sealing - Less than 1/2"	150,000	LF	\$ _____	\$ _____
408.0120	Crack Sealing - 1/2" to 1"	150,000	LF	\$ _____	\$ _____
413.0140	Cold Planing of Weakened Pavement Areas	9,000	SY	\$ _____	\$ _____
417.1000	Cut Cores in Existing Pavement	180	Each	\$ _____	\$ _____
604.0100	Adjusting Manhole Cast Iron Frame and Cover	120	Each	\$ _____	\$ _____
621.0100	Vehicular Counting and Classification System Sensor Replacement	F.A.	F.A.	\$ <u>15,000.00</u>	\$ <u>15,000.00</u>
623.0100	Loop Detector Sensing Unit	200	Each	\$ _____	\$ _____
645.1000	Electronic Message Board (per day)	2	Each	\$ _____	\$ _____

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PROPOSAL SCHEDULE – AREA 1 (Central)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
a.	Total of All Items (Area 1 – Central)				\$ _____
b.	Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a)				\$ _____
c.	Sum of All Items (Area 1 – Central) (a + b)				\$ _____
All bidders must fill in b and complete c.					
NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.					

PROPOSAL SCHEDULE – AREA 2 (Upcountry)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0700	Overtime Labor Premium	F.A.	F.A.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
408.0110	Crack Sealing - Less than 1/2"	66,000	LF	\$ _____	\$ _____
408.0120	Crack Sealing - 1/2" to 1"	66,000	LF	\$ _____	\$ _____
645.1000	Electronic Message Board (per day)	2	Each	\$ _____	\$ _____
<p>a. Total of All Items (Area 2 – Upcountry) \$ _____</p> <p>b. Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a) \$ _____</p> <p>c. Sum of All Items (Area 2 – Upcountry) (a + b) \$ _____</p> <p>All bidders must fill in b and complete c.</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

PROPOSAL SCHEDULE – AREA 3 (Lahaina)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0412	1-1/2 Inch HMA Pavement, Mix No. IV	100,000	SY	\$ _____	\$ _____
401.0422	2 Inch HMA Pavement, Mix No. IV	30,000	SY	\$ _____	\$ _____
401.0700	Overtime Labor Premium	F.A.	F.A.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
408.0110	Crack Sealing - Less than 1/2"	140,000	LF	\$ _____	\$ _____
408.0120	Crack Sealing - 1/2" to 1"	140,000	LF	\$ _____	\$ _____
413.0140	Cold Planing of Weakened Pavement Areas	4,500	SY	\$ _____	\$ _____
417.1000	Cut Cores in Existing Pavement	60	Each	\$ _____	\$ _____
604.0100	Adjusting Manhole Cast Iron Frame and Cover	10	Each	\$ _____	\$ _____
621.0100	Vehicular Counting and Classification System Sensor Replacement	F.A.	F.A.	\$ <u>15,000.00</u>	\$ <u>15,000.00</u>
623.0100	Loop Detector Sensing Unit	32	Each	\$ _____	\$ _____
645.1000	Electronic Message Board (per day)	2	Each	\$ _____	\$ _____

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PROPOSAL SCHEDULE – AREA 3 (Lahaina)

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
a.	Total of All Items (Area 3 – Lahaina)				\$ _____
b.	Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a)				\$ _____
c.	Sum of All Items (Area 3 – Lahaina) (a + b)				\$ _____
All bidders must fill in b and complete c.					
NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.					

PROPOSAL SCHEDULE – AREA 4 (Hana)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0700	Overtime Labor Premium	F.A.	F.A.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
408.0110	Crack Sealing - Less than 1/2"	120,000	LF	\$ _____	\$ _____
408.0120	Crack Sealing - 1/2" to 1"	120,000	LF	\$ _____	\$ _____
645.1000	Electronic Message Board (per day)	2	Each	\$ _____	\$ _____
<p>a. Total of All Items (Area 4 – Hana) \$ _____</p> <p>b. Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a) \$ _____</p> <p>c. Sum of All Items (Area 4 – Hana) (a + b) \$ _____</p> <p>All bidders must fill in b and complete c.</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

PROPOSAL SCHEDULE – AREA 5 (Molokai)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0422	2 Inch HMA Pavement, Mix No. IV	130,000	SY	\$ _____	\$ _____
401.0700	Overtime Labor Premium	F.A.	F.A.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
404.0100	Slurry Seal, Type III	75,000	SY	\$ _____	\$ _____
408.0110	Crack Sealing - Less than 1/2"	80,000	LF	\$ _____	\$ _____
408.0120	Crack Sealing - 1/2" to 1"	80,000	LF	\$ _____	\$ _____
413.0140	Cold Planing of Weakened Pavement Areas	10,000	SY	\$ _____	\$ _____
417.1000	Cut Cores in Existing Pavement	60	Each	\$ _____	\$ _____
604.0100	Adjusting Manhole Cast Iron Frame and Cover	30	Each	\$ _____	\$ _____
621.0100	Vehicular Counting and Classification System Sensor Replacement	F.A.	F.A.	\$ <u>15,000.00</u>	\$ <u>15,000.00</u>
645.1000	Electronic Message Board (per day)	2	Each	\$ _____	\$ _____

PROPOSAL SCHEDULE – AREA 5 (Molokai)

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
a.	Total of All Items (Area 5 – Molokai)				\$ _____
b.	Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a)				\$ _____
c.	Sum of All Items (Area 5 – Molokai) (a + b)				\$ _____
All bidders must fill in b and complete c.					
NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.					

PROPOSAL SCHEDULE – AREA 6 (Lanai)					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0700	Overtime Labor Premium	F.A.	F.A.	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
408.0110	Crack Sealing - Less than 1/2"	55,000	LF	\$ _____	\$ _____
408.0120	Crack Sealing - 1/2" to 1"	55,000	LF	\$ _____	\$ _____
645.1000	Electronic Message Board (per day)	2	Each	\$ _____	\$ _____
<p>a. Total of All Items (Area 6 – Lanai) \$ _____</p> <p>b. Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a) \$ _____</p> <p>c. Sum of All Items (Area 6 – Lanai) (a + b) \$ _____</p> <p>All bidders must fill in b and complete c.</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

PROPOSAL SUMMARY

	AMOUNT
SUM OF ALL ITEMS (AREA 1 – Central)	\$ _____
SUM OF ALL ITEMS (AREA 2 – Upcountry)	\$ _____
SUM OF ALL ITEMS (AREA 3 – Lahaina)	\$ _____
SUM OF ALL ITEMS (AREA 4 – Hana)	\$ _____
SUM OF ALL ITEMS (AREA 5 – Molokai)	\$ _____
SUM OF ALL ITEMS (AREA 6 – Lanai)	\$ _____

1 **PROPOSAL SCHEDULE**

2
3 The "SUM OF ALL ITEMS" for each area will be used to determine the
4 lowest responsible bidder for each area.

5
6 **Notes:**

- 7
8 1. Bid prices are for travel time, mileage and furnishing all labor, tools, traffic
9 controls, all applicable taxes, fees and equipment necessary for all work
10 shown and called for in accordance with the true intent and meaning of
11 the specifications.
12
13 2. Bidder may bid on any or all areas. To be considered, bidder must submit
14 a bid for all items within an area. Separate contracts will be awarded for
15 each area. If a bidder is determined the lowest bidder for multiple areas,
16 those multiple areas will be awarded under one combined contract.
17
18 3. Any contract which is awarded shall be an open-ended contract since the
19 exact value of work to be performed during the contract period cannot be
20 determined beforehand. For each work order, the Contractor will be paid
21 per unit price for each item that the Contractor performs.
22
23 4. The "Approx. Quantity" on the proposal schedule is for bidding purposes
24 only, and this is no guarantee of the quantity of work that will be issued.
25

26 The bidder is directed to Subsection 105.16 – Subcontracts.

27
28 If the bid price for any proposal item having a maximum allowable bid
29 indicated therefore in any of the contract documents is in excess of such a
30 maximum amount, the bid price for such proposal item shall be adjusted to
31 reflect the limitation thereon. The comparison of bids to determine the
32 successful bidder and the amount of contract to be awarded shall be determined
33 after such adjustments are made, and such adjustments shall be binding upon
34 the bidder.

35
36 The bidder is directed to Section 717 – Cullet and Cullet-Made Materials
37 regarding recycling of waste glass.
38

July 30, 2018 PRE-BID MEETING MINUTES

Subject: Installation of Pavement Preservation Strategies and Surface Treatments at Various Locations, Islands of Maui, Molokai, and Lanai
Federal-aid Project No. STP-0900(097)

Attendees: See attached list of attendees.

A. The meeting was called to order by Robert Loo (HDOT Project Engineer) at about 10:00 a.m. to brief the prospective bidders for the subject project.

B. Questions:

1. DBE goals drafted per work order or held for the life of the contract?
It will be tracked per payment, but since it's possible for a work order to not contain work pertinent to a DBE, the Contractor may use this as justification on why the goal was not met. At the end of the contract, the Contractor should have met the goal or if unable to meet it, have shown good faith efforts to try to meet the goal.
2. Would HDOT consider breaking out crack sealing and slurry sealing from the HMA work because generally it's different contractors and scope?
The State will not be separating the slurry seal, crack seal, and HMA items for each Area.
3. Deleted Section 104.07 variations in the quantities, can you give us an idea of how much \$ is set aside for each section of this project?
There is no specific dollar amount designated for each Area, only quantity estimates as shown in the proposal schedule.
4. Is the State looking to do all the work on these proposals, all the square yards, all the feet?
No, not all. They're just estimates.
5. For the typical section on reconstruction, for the 6-1/2" on removal and 5" of hot mix and 1-1/2" of AC, I don't understand the 1-1/2", because a lot of places we're going to cold plane 2 inches and put back 2 inches?
Will be addressed on an addendum. Will include a range of 1-1/2 to 2 inch HMA and the balance will be HMAB for a total recon depth of 6 inches instead of 6-1/2 inches. Note that "reconstruction of weakened paving areas" has been reworded to "cold planing of weakened pavement areas" throughout the special provisions.

6. Is the state going to have reconstruction that will not be cold planed and paved? Is there going to be instances where the reconstruction will be out in the pavement?
Reconstruction will mostly be for areas that will be cold planed and paved but there may be areas of reconstruction that will only be slurry sealed.
7. Will the State allow us to cold plane then recon?
The State doesn't dictate how the contractor does the work.
8. Can we leave the milled surface open?
Per Standard Specifications, cold-planed surface must not be exposed to public traffic for more than three calendar days.
9. After the milled section is left open, are you requiring markers or the entire striping be put back on the milled surface before overlay? Who puts the temporary striping back?
If milled surface is left exposed, temp striping and markers are required to be installed before end of work day. All permanent striping will be coordinated with the State and performed by the State's striping contractor.
10. For crack filling, how will the cracks to be filled be determined? Is the State inspector going to mark them, or are we given a section, and we just fill all the cracks in that section?
The work order will provide an estimate of the amount of crack sealing to be performed on a given section with the intention being that all cracks within the section be filled.
11. Clarify how the smaller cracks will be distinguished from the larger cracks? How will you determine what needs to be routed?
The State engineer or his representative will distinguish the smaller cracks, which will require routing, from the larger cracks and provide an estimated quantity and approximate location of each on the work order.
12. Section 110 mentions pavement repair shall consist of one of the following: Overlay (Resurface?) with 1-1/2" HMA Pavement, 1-1/2" Cold Planing and Resurfacing with HMA Pavement, and 2" Cold Planing and Resurfacing with HMA Pavement. The description in the proposal says 1.5 mix, so is that Cold Planing 1.5" and paving 1.5"? The reason I ask is because the 2" also says cold plane, so is it cold planing and paving or just paving?
All items in the proposal schedule are to cold plane and pave. There will be no overlay.
13. Does the contractor have to bid on all areas?
No, the Contractor does not have to bid on all areas.

14. If we're not bidding on an area what do we put for that area's amounts in the contract documents? Like, for example, if we're not bidding, say take this area, do you want us to just put zeroes through this because technically if we leave any of this blank, our bid is not responsive. So we need to put something in each of these papers.

The contractor may write N/A on all lines in the bid documents referring to Areas that the contractor is not bidding on that would otherwise require a \$ amount or total.

15. Can we work longer hours?

It will depend on the traffic volumes in the areas and on impacts to traffic at each area.

16. We're not working nights, any possibility of night work?

Will depend on the work order, impacts to traffic at each area, and based on whatever the State's deadlines are.

17. Is the State planning to issue work orders right away? Is there a deadline or timeframe?

After the contract has been awarded and certified, a work order will be issued soon thereafter and contractor will have 2 weeks from when the work order is issued to start work.

18. What is the time frame to complete?

The work orders will specify the completion date and the contractor develops a schedule to show that this date can be accomplished, otherwise work with the State to establish a completion date.

19. Are you guys going to be able to get all of your submittals approved in 2 weeks?

The State anticipates getting submittals approved within 2 weeks as the turn-around time for review has improved.

20. Confirming that the Notice to Proceed is going to be at your choosing and you're encouraging us to start two weeks after the Notice to Proceed?

Yes, if a work order was provided with the Notice to Proceed, contractor must start within two weeks of the issuance of the work order.

21. When will the contract be awarded from the date of the bid?

Contracts are typically awarded within 2 months from bid opening, however, award for this contract may be expedited.

22. Does each work order have its own NTP?

Each work order will have its own Start Work Date, which is 2 weeks after issuance of the work order.

23. In Section 110 – Leveling of Existing Pavement, it says, “Pavement surface that varies more than 3/16 inch from testing edge of straightedge between two contacts exceeds surface tolerance. Leveling of Existing Pavement shall be incidental to paving work.” There’s not going to be any leveling required before you slurry or crack seal or anything like that, right?

Leveling will not be required for slurry seal and crack seal.

24. How certain is HDOT of the nature, quantity, and scope of work? Are the areas scoped at all and how much of the work in the proposal can HDOT guarantee? It makes a difference whether it’s filling a 1,000 FT of crack in 5 miles or it’s filling 2,000 FT of crack in 1/2 mile.

Work orders will provide estimated work to be performed. We will not be issuing a first work order but below is a list of routes that may be getting treatments, although no specific treatment is designated for each route. Because this is an open-ended contract, it gives the State the flexibility to choose what we want done and where.

Anticipated Routes In Need of Treatment:

Route No.	Route	Begin Milepost	End Milepost
30	Honoapiilani Hwy	0.55	4.57
30	Honoapiilani Hwy	4.57	6.82
30	Honoapiilani Hwy	19	19.89
30	Honoapiilani Hwy	23.9	26.12
30	Honoapiilani Hwy	26.12	31.18
30	Honoapiilani Hwy	36	41.67
31	Piilani Hwy	0	5.93
31	Piilani Hwy	5.93	7.15
36	Hana Hwy	0	1.45
36	Hana Hwy	1.45	2.81
37	Haleakala Hwy	5.21	7.76
37	Kula Hwy	17.03	21.34
310	North Kihei Rd	0	3.59
340	Kahekili Hwy	0	4.28
360	Hana Hwy	3.32	13.93
360	Hana Hwy	19.46	23.3
3400	Kahului Beach Rd	0	1.13
3500	Puunene Ave	0	1.11
440	Kaumalapau Hwy	0	3.12
440	Manele Rd	5.97	13.17
450	Kameahameha V Hwy	13	16.5
450	Kameahameha V Hwy	16.5	22
450	Kameahameha V Hwy	22	27.5
460	Maunaloa Hwy	0	5.5
480	Farrington/Puupeelua Ave	0	3.66

25. Is there a priority of first, second, third, etc. on the work?
We have a priority list of what we want to do, but again, if we want to change the limits of the work order, that's the reason for an open-ended contract. It gives the State that flexibility to have the work done where it's needed.
26. How did HDOT come up with the proposal quantities?
It was based on what the initial amounts of our work orders would be. We also had a consultant who took lidar scans of our roads to see what conditions they were in and the work orders are based on the needs resulting from this data.
27. On 108-7a, it says, for contracts \$2,000,000 or less, the contract time is 140 days. So is a work order a contract? You're going to issue us a contract upon addendum or you're going to issue us a contract per area too? Are you saying that we have 100 days to complete that contract or the work order?
This was a misinterpretation of what is stated in the Specials. Page 108-7a of the Special Provisions provides requirements for schedule submittals and doesn't specify what the contract time is. The contract time is as stated in the proposal.
28. Confirming that for some areas the percentages for crack fill is extremely high for DBE.
The percentage is high because, for those areas, only crack sealing is required.
29. So HDOT is attempting to issue, since there's 6 different areas, 6 different work orders in the same timeframe? So if say 1 person wins all 6 areas, HDOT wants them to work within 2 weeks in all 6 areas right? Additionally, there's a lot of concern that to complete a whole area in the given timeframe of one work order might be unrealistic.
The State is not going to set Contractors up for failure. Work orders will be issued at a reasonable rate based on State's priority. The State will work with the Contractor to develop schedules that can be accomplished within the timeframe of the work order. If contractors can't complete the work in a given timeframe, they must show that good faith effort was made to get the work done.
30. Does every area have a work order?
Yes, there is going to be one or multiple work orders for each area. Each work order may include multiple routes in a given Area.
31. I noticed this is a little bit different project and it's under maintenance but it's also federal-aid. Who will be inspecting the project?
Our State Highways inspectors or consultants will do the inspections.

32. Are you going to hold that same prevailing wage rate that is in the Special Provisions for the duration of the contract or are we going to have to escalate labor over the 12-month period?

For federal-aid projects Contractors are to follow the Davis Bacon Act. Contractors will be required to use the most current federal wage rates whenever it is updated.

33. Is the State allowing for escalation of materials? It's a 3-year contract. It would allow the contractors to bid with more confidence.

Per Special Provision Section 110.02, the option to extend a contract requires that the initial bid price remains the same so there will be no escalation of material prices.

34. I was going to ask if flaggers are considered to be a purchase service or a subcontractor for this work? Are flaggers a surveyor or are they a subcontractor? It makes a difference when you guys are looking at them as a subcontractor or a purchase service in terms of wage.

According to the prevailing wage rates, a flagman is considered a Laborer II.

35. Is the Overtime Labor Premium Force Account (FA) for State inspection?

No, the FA for Overtime Labor Premium is for contractor's work force if the State requests contractor to work overtime.

36. How are you going to handle notifications? Is it one notification to the public per purchase order?

Notice to Motorists will be required for each route on a work order.

37. We're not going to do construction signs?

Permanent construction signs is not required. Electronic message boards will be used instead, along with appropriate traffic control devices.

D. HWY-DD mentioned that HDOT will be issuing an addendum.

E. Meeting was adjourned at about 10:45 am.

PRE-BID MEETING ATTENDANCE

Installation of Pavement Preservation Strategies and Surface Treatments at Various Locations Islands of Maui, Molokai, and Lanai

Video Conference: HWY-M & HWY-DB Conference Rooms

[illegible]

PRE-BID MEETING ATTENDANCE

Video Conference: HWY-M & HWY-DB Conference Rooms

[illegible]

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**Project: INSTALLATION OF PAVEMENT PRESERVATION STRATEGIES AND
SURFACE TREATMENTS AT VARIOUS LOCATIONS
ISLANDS OF MAUI, MOLOKAI, AND LANAI
FEDERAL-AID PROJECT NO. STP-0900(097)**

Tom's Backhoe, one of the prospective bidders, had submitted an RFI. The question and response are as follows:

1. Can the crack sealing and slurry sealing be bid separately than HMA + related work?

Response: We will not be separating the slurry seal, crack seal, and HMA items for each Area.

2. What happens if you can't meet the DBE requirements?

Response: In the DBE Requirements Page 3, Section V. Proposal Requirements, Subsection E, states "If the contract goal is not met, documentation of good faith efforts including quotations for both DBE and non-DBE subcontractors when a non-DBE is selected over a DBE for the project, shall be submitted five (5) calendar days after bid opening."

Goldwings Supply Service, Inc., one of the prospective bidders, had submitted an RFI. The question and response are as follows:

1. I have a question on the linear feet for Area 4 (Hana P-23), I would like to verify that is it 750,000 LF or is there a typo and should it be 75,000 LF. Please confirm.

Response: The quantities of the related items have been revised to 120,00 LF. Additionally, other quantities have been revised and will be included in the addendum 1 proposal schedule pages.

Grace Pacific, LLC., one of the prospective bidders, had emailed an RFI. The question and response are as follows:

1. Please confirm if Contractor is required to install a reinforced concrete collar for Bid Item 604.0100 Adjust Manhole Cast Iron Frame and Cover.

Response: Yes, manhole adjustments require installation of reinforced concrete collar.

2. On the Big Island version of this project, Addendum 2 added a clause in Section 106 - Material Restrictions and Requirements, which requires the contractor to use an "AASHTO resource accredited to be used for testing and documentation showing the accreditation needs to be submitted...before any testing occurs." Will this be required for this project as well? Please advise.

Response: Yes, the mentioned clause will be required for this project as well. It will be included in the revised Section 106 in the addendum No. 1

3. In section 110.05 of the specifications for this project references a "Highway 130." Is this a typo error; I could not find a Highway 130 on Maui, Molokai or Lanai.

Response: The reference to Highway 130 has been removed in the revised Section 110 in the addendum No. 1

Jas. W. Glover, Ltd., one of the prospective bidders, had emailed an RFI. The question and response are as follows:

1. Regarding Spec Section 110, please include proposal item for 1-1/2" Hot Mix Asphalt Pavement (resurfacing without cold planing).

Response: This will be removed from Section 110. All HMA Pavement items will be cold planing and resurfacing.

2. Regarding Spec Section 404, please clarify which proposal item cold planning for slurry seal work will be paid for under.

Response: Cold planing or grinding of existing pavement to provide smooth transition between slurry seal and existing pavement or structure is part of the preparation of surface, which is incidental to slurry seal item.

3. Regarding Spec Section 414, proposal item for "Reconstruction of Weakened Pavement Areas" seems to be missing.

Response: There will be no items or sections for "Reconstruction of Weakened Pavement Areas". All items or sections referring to "Reconstruction of Weakened Pavement Areas" will be replaced with "Item No. 413.0140 - Cold Planing of Weakened Pavement Areas".

4. Regarding Spec Section 629, please clarify if permanent pavement marking is part of this project.

Response: Permanent pavement marking is not part of the project. Contractor is only responsible for temporary pavement marking, which is incidental to various contract items in section 401 and 404.