

1 Make this section part of the standard specifications:

2
3 **“SECTION 110 – INSTALLATION OF ASPHALT PAVEMENT**
4 **PRESERVATION, RESURFACING, AND RECONSTRUCTION**
5 **AT VARIOUS LOCATIONS**
6

7
8 **110.01 Scope of Work.** The work shall consist of furnishing all labor, necessary
9 equipment, materials and traffic control to repair pavement and to install pavement
10 markings and milled rumble strips at various locations as requested. Pavement
11 marking installation involves removing existing pavement marking, laying out and
12 installing new pavement striping, crosswalk markings, pavement arrows, pavement
13 words, delineators, and pavement markers. Milled rumble strip installation involves
14 the installation of milled rumble strip along the centerline or edgeline of the road. All
15 work shall be performed within the existing pavement structure. Installation of
16 pavement markings and milled rumble strips will be restricted to new pavement
17 surfaces generated through the corresponding paving work order. All work shall be
18 performed in a professional manner in accordance with current practices and this
19 document. All asphalt and asphalt concrete base debris shall be removed daily at
20 all locations. See Subsection 110.03 – Area of Coverage.
21

22 The Contractor shall work as directed by the Engineer or by the Highways
23 Division’s District Engineer.
24

25 The Department agrees to provide at least an estimated one centerline mile
26 of pavement repair work for each work order. The below list of projects are potential
27 work orders being considered via this contract:
28

29 **2023 Calendar Year:**

- 30 Rte 540, Halewili Road – MP 0 to MP 1, Resurfacing (Area 4)
31 Rte 580, Kuamoo Road – MP 0 to MP 3.9, Resurfacing (Area 3)
32

33 **2024 Calendar Year:**

- 34 Rte 550, Waimea Canyon Drive – MP 0 to MP 4.6, Resurfacing (Area 4)
35 Rte 560, Kuhio Highway – MP 8 to MP 10, Resurfacing (Area 1)
36 Rte 5600, Temp Kapaa Bypass Rd – MP 0 to MP 1, Resurfacing (Area 3)
37

38 **2025 Calendar Year:**

- 39 Rte 50, Kaumualii Highway – MP 2 to MP 3, Resurfacing (Area 3)
40 Rte 50, Kaumualii Highway – MP 12.3 to MP 17, Resurfacing (Area 4)
41 Rte 560, Kuhio Highway – MP 4.5 to MP 6.4, Resurfacing (Area 1)
42

43 **2026 Calendar Year:**

- 44 Rte 56, Kuhio Highway – MP 0 to MP 1, Slurry Seal (Area 3)
45 Rte 56, Kuhio Highway – MP 6.6 to MP 8, Slurry Seal (Area 3)
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2027 Calendar Year:

Rte 56, Kuhio Highway – MP 2.8 to MP 5.9, Slurry Seal (Area 3)

Rte 56, Kuhio Highway – MP 16.9 to MP 19.0, Slurry Seal (Area 2)

Rte 583, Maalo Road – MP 0 to MP 1, Resurfacing (Area 3)

2028 Calendar Year:

Rte 51, Waapa Rd / Rice St / Kauai Vet Mem Hwy / Kapule Hwy – MP 0 to MP 2.2 and MP 3.4 to MP 3.45, Slurry Seal (Area 3)

Rte 5600, Temp Kapaa Bypass Rd – MP 1 to MP 3.1, Resurfacing (Area 3)

Rte 570, Ahukini Road – MP 0 to MP 1.1, Slurry Seal (Area 3)

The Contractor shall possess a General Engineering Contractor's "A" license or Specialty Contractor's "C-3" or "C-3a" license for the full term of the contract and shall have possessed the license prior to the award of the contract. Failure to meet this requirement shall be cause for disqualification.

Pavement repair shall consist of one of the following:

1. Cold Planing and Resurfacing with Asphalt Pavement.

Cold-plane damaged or deteriorated pavement areas and resurface with new Polymer Modified Asphalt (PMA). The minimum width of the cold planed area shall be seven foot three inches (7'3") wide. 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.

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

2. Reconstruction of Weakened Pavement Areas. Excavate to and backfill to the depth shown in the appropriate Typical Reconstruction Section (Figure 1). 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. The minimum width of the reconstruction area shall be seven foot three inches (7'3") wide.

Prior to placement of the asphalt base course, the exposed subbase or subgrade shall be recompacted to a dense and unyielding condition.

The Contractor may elect to reconstruct the entire depth of the pavement reconstruction with HMA base course in preparation of cold planing as a separate operation.

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

3. 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.

4. Slurry Seal. See Section 404 – Slurry Seal.

5. 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 4 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 60 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.

To compensate for escalation during the maximum contract period the Department will adjust the Unit Prices of all items on the Proposal Schedule by 2% on the start date of an extension period. The price adjustment shall not be applied to contract change orders issued within the current contract year or work orders that have already been issued to the contractor.

The Department shall adjust the prevailing wages in accordance to 23 U.S.C. 113 when the option to extend is mutually agreed to in writing prior to the contract expiration dates. The current prevailing wage rates, as determined by the U.S. Department of Labor, in effect on the date of the execution of the contract extension shall apply to work covered under the contract extension.

110.03 Area of Coverage. The project requires the Contractor to repair pavement at various locations on the Island of Kauai. Work shall be grouped into

four areas along with the corresponding routes as shown on the attached map of the island of Kauai (Figure 2). Note: There are numerous side streets with or without route numbers along State highways where State Jurisdiction extends various distances into side streets. The four areas are:

(A) Area 1 (Hanalei Bridge to End of Route 560):

Route 560, Kuhio Highway

(B) Area 2 (Kapaa Stream Bridge to Hanalei Bridge):

Route 56, Kuhio Highway

Route 560, Kuhio Highway

(C) Area 3 (Huleia Bridge to Kapaa Stream Bridge):

Route 50, Kaumualii Highway

Route 51, Kapule Highway

Route 56, Kuhio Highway

Route 58, Nawiliwili Road

Route 570, Ahukini Road

Route 580, Kuamoo Road

Route 583, Maalo Road

Route 5600, Temp Kapaa Bypass Road

(D) Area 4 (Huleia Stream Bridge to End of Route 50):

Route 50, Kaumualii Highway

Route 540, Halewili Road

Route 541, Waialo Road

Route 550, Waimea Canyon Drive

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 sign replacement proposal price. 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 required for all work orders, unless approved by Engineer. A noise variance permit is required and shall be obtained by the Contractor.

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 Sunday 9:00 P.M. through Friday 5:00 A.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 shall prepare a work order (Figure 3) for each pavement repair or group of pavement repairs in the same area. 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 Kauai District Office, 1720 Haleukana Street, Lihue, Hawaii 96766. 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.

230 **110.08 Basis of Payment.** Pavement repairs will be made through work orders
231 placed with the Contractor during the contract period for which payment will be
232 based on the quantities placed and the unit bid prices in the proposal schedule
233 which prices shall include payment for all materials, equipment, tools, labor, and
234 incidentals necessary to complete the pavement repairs.

235
236 The Contractor shall submit monthly invoices to the Kauai District Office,
237 1720 Haleukana Street, Lihue, Hawaii 96766, if services are rendered. (See
238 Subsection 109.08 - Progress Payments).

239
240 The contract unit prices shall be full compensation for furnishing all labor,
241 materials (as listed in Section 104 SCOPE OF WORK), tools, equipment, trucks,
242 traffic control, applicable taxes and incidentals to complete the work.”
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247 **END OF SECTION 110**