

1 Make this section part of the standard specifications:

2  
3 **“SECTION 110 – INSTALLATION OF ENHANCED PAVEMENT MARKING**  
4 **AND NEW MILLED RUMBLE STRIP AT VARIOUS LOCATIONS**  
5

6  
7 **110.01 Scope of Work.** The work shall consist of furnishing all labor, necessary  
8 equipment, materials and traffic control to install pavement markings and milled  
9 rumble strips on the Island of Kauai as requested. Pavement marking installation  
10 involves removing existing pavement marking, laying out and installing new  
11 pavement striping, crosswalk markings, pavement arrows, pavement words,  
12 delineators, and pavement markers. Milled rumble strip installation involves the  
13 installation of milled rumble strips along the centerline and shoulder of the road. All  
14 work shall be performed within the existing pavement structure. All work shall be  
15 performed in a professional manner in accordance with current practices and this  
16 document. All pavement markings and rumble strip debris shall be removed daily  
17 at all locations. See Subsection 110.03 – Area of Coverage.  
18

19 The Contractor shall work as directed by the Engineer or by the Highways  
20 Division’s District Engineer.  
21

22 The Department agrees to provide a minimum of 100 lanes of crosswalk  
23 marking and associated stop bar striping and crosswalk and stop bar removal or at  
24 least an estimated one centerline mile of pavement marking and/or milled rumble  
25 strip work for each work order. The below list of projects are potential work orders  
26 being considered via this contract:  
27

28 **2023 Calendar Year:**

29 Rte 583, Maalo Rd – MP 2 to MP 3.91  
30 Rte 51, Waapa Rd / Rice St / Kauai Vet Mem Hwy / Kapule Hwy – MP 1.08  
31 to MP 1.81 and MP 2.15 to MP 3.42  
32 Rte 560, Kuhio Highway – MP 1.22 to MP 4.18 and MP 6.4 to MP 10  
33 Rte 580, Kuamoo Rd – MP 3.9 to MP 4.9  
34

35 **2024 Calendar Year:**

36 Rte 50, Kaunualii Highway – MP 2.95 to MP 3.4, MP 8.3 to MP 12.31, and  
37 MP 17.03 to MP 30.95  
38 Rte 58, Nawiliwili Rd – MP 0 to MP 2.05  
39

40 **2025 Calendar Year:**

41 Rte 56, Kuhio Highway – MP 14 to MP 16.88  
42

43 **2026 Calendar Year:**

44 Rte 56, Kuhio Highway – MP 18.95 to MP 24.25  
45

46 **2027 Calendar Year:**

Rte 50, Kaumualii Highway – MP 0 to MP 1.97 and MP 30.95 to 32.97  
Rte 56, Kuhio Highway – MP 18.95 to MP 24.25

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.

**110.02 Contract Period and Option to Extend.** The period of the contract shall be for twelve (12) months commencing from the Start Work Date indicated from the Department. There is an option to extend for 4 additional twelve (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 sixty (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 (2)-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 install pavement markings and milled rumble strips at various locations on the Island of Kauai. Work shall be along the corresponding routes as shown on the attached map of the Island of Kauai (Figure 1). Note: There are numerous side streets with or without route numbers along State highways where State Jurisdiction extends various distances into side streets. Pavement markings may extend into these areas:

Areas of Coverage:

Route 50,	Kaumualii Highway
Route 51,	Waapa Rd / Rice St / Kauai Vet Mem Hwy / Kapule Hwy
Route 56,	Kuhio Highway

93 Route 58, Nawiliwili Road  
94 Route 540, Halewili Road  
95 Route 541, Waialo Road  
96 Route 550, Waimea Canyon Drive / Kokee Road  
97 Route 560, Kuhio Highway  
98 Route 570, Ahukini Road  
99 Route 580, Kuamoo Road  
100 Route 583, Maalo Road  
101 Route 5600, Temp Kapaa Bypass Road  
102

103 **110.04 Safety and Convenience.** The Contractor shall at all times conduct his  
104 work to assure the least possible obstruction to public traffic. The Safety and  
105 convenience of the general public and the protection of persons and property is of  
106 utmost importance, and the Contractor shall provide appropriate traffic control and  
107 safety measures. The Contractor and his employees shall treat members of the  
108 public in a fair and polite manner. Workers shall present a professional  
109 appearance and conduct themselves in a professional manner at all times.  
110

111 All Traffic Control and safety measures shall be done in Conformance with  
112 the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices  
113 at Work Sites on or Adjacent to Public Streets and Highways" adopted by the  
114 Director of Transportation, and the current U.S. Federal Highway Administration  
115 "Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition. Costs for  
116 traffic control shall include set-up and removal of all signs, cones, delineators,  
117 barricades, flag persons, police officers, arrow boards, etc., and shall be included  
118 in the sign replacement proposal price. See Section 645 – Work Zone Traffic  
119 Control.  
120

121 Do not close traffic lanes or slow down traffic during the following peak  
122 hours (unless otherwise approved by the engineer):  
123

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

126

127 Above peak hours are daily except Saturdays, Sundays and holidays.  
128

129 Night work is required for all work orders, unless approved by Engineer. A  
130 noise variance permit is required and shall be obtained by the Contractor.  
131 Obtaining a noise variance permit is considered incidental to the project. No  
132 additional time will be granted to obtain the noise variance permit.  
133

134 The Contractor must notify all private property owners in the vicinity where  
135 pavement repair is performed in the event that the work may hinder access to their  
136 property. The Contractor must also secure permission prior to entering private  
137 property to do pavement marking or milled rumble strip work, if any.  
138

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 2) for each pavement marking or milled rumble strip installation. Within five (5) working days of receiving a work order, the Contractor shall submit a proposed work schedule that demonstrates that work will begin within thirty (30) days and be completed by the number of working days indicated in 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.

**110.08 Basis of Payment.** Pavement marking and milled rumble strip installation will be made through work 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 Kauai District Office, 1720 Haleukana Street, Lihue, Hawaii 96766, if services are rendered. (See Subsection 109.08 - Progress Payments).

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

**END OF SECTION 110**