

1 Make this Section a part of the Standard Specifications:
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3 **"SECTION 110 – INSTALLATION OF ENHANCED PAVEMENT MARKING**
4 **AND NEW MILLED RUMBLE STRIP AT VARIOUS LOCATIONS**
5

6 **110.01 Scope of Work.** The work shall consist of furnishing all labor,
7 necessary equipment, materials and traffic control to install pavement markings
8 and milled rumble strips on the Island of Kauai as requested. Pavement marking
9 installation involves removing existing pavement marking, laying out and installing
10 new pavement striping, crosswalk markings, pavement arrows, pavement
11 words, delineators, and pavement markers. Milled rumble strip installation
12 involves the installation of milled rumble strips along the centerline and shoulders
13 of the road. All work shall be performed within the existing pavement structure. All
14 work shall be performed in a professional manner in accordance with current
15 practices and this document. All pavement markings and rumble strip debris
16 shall be removed daily at all locations. See Subsection 110.03 - Area of
17 Coverage.
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19 The Contractor shall work as directed by the Highways Division's Kauai
20 District Engineer. The Contractor, as per Subsection 110.04 - Safety and
21 Convenience, shall provide traffic control and its cost shall be inclusive of
22 pavement marking and milled rumble strip work cost.
23

24 The Department agrees to provide at least two weeks of pavement marking
25 and/or milled rumble strip work for each request.
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27 The Contractor shall possess an "A" General Engineering Contractor's
28 license, or "C-3" Asphalt Paving and Surfacing Contractor's license, or "C-3a"
29 Asphalt Concrete Patching, Sealing, and Striping Contractor's license for the full
30 term of the contract. Failure to meet this requirement shall be cause of
31 disqualification.
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33 **110.02 Contract Period and Option to Extend.** The period of the
34 contract shall be for 12 months commencing from the Start Work Date from the
35 Department. There is an option to extend for 2 additional 12 month periods,
36 without re-bidding, upon mutual agreement in writing prior to the contract
37 expiration date, provided the initial bid price remains the same. The maximum
38 contract period is 36 months.
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40 Failure by the Contractor to execute the amendment to extend the
41 contract within the number of days specified under Section 103.07 - Failure to
42 Execute Contract may be cause for cancellation of the written agreement to
43 extend the contract and may be subject to disqualification from bidding future
44 projects for a 2-year period in accordance with Section 102.12 - Disqualification
45 of Bidders.
46

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.

The areas are:

(A) Area 1 (East)

ROUTE 51, Kapule Highway
ROUTE 56, Kuhio Highway
ROUTE 560, Kuhio Highway
ROUTE 570, Ahukini Road
ROUTE 580, Kuamoo Road
ROUTE 583, Maalo Road

(B) Area 2 (West)

ROUTE 50, Kaumualii Highway
ROUTE 58, Nawiliwili Road
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 pavement marking 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.
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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 marking or milled rumble strip installation are 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 marking or milled rumble strip work, 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 prepare a work order (Figure 2) for each pavement marking or milled rumble strip installation. The work order shall be like the attached form. 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. The work order shall also include the construction time schedule. 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, 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 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

144 for all materials, equipment, tools, labor, and incidentals necessary to complete
145 the pavement marking and milled rumble strip work.

146
147 The Contractor shall submit monthly invoices to the Kauai District Office,
148 District Engineer, 1720 Haleukana Street, Lihue, Hawaii 96766, if services are
149 rendered. (See Subsection 109.08 - Progress Payments).

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

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156
157 **END OF SECTION 110**