

SPECIFICATIONS

Washington Place Driveway Recoating

DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES CENTRAL SERVICES DIVISION

I. SCOPE

The Contractor shall furnish all labor, materials, equipment, traffic control, and supervision necessary to repair localized failures, clean and seal existing surface cracks, apply a leveling layer over low spots, and apply a protective topcoat to restore the structural integrity and visual appearance of the asphalt concrete pavement. See the Plan Drawing that indicates the areas of work. For pictures and video of the areas see:

https://drive.google.com/drive/folders/1IC5wpCEzHwNY5sOGLgF0OT0tMsUlKQk?usp=drive_link

II. DESCRIPTION OF WORK

1. Scope of Services

Phase 1: Site Preparation & Cleaning

- **Sweeping & Debris Removal:** Thoroughly clean the pavement surface using power sweepers, rotary brooms, and high-pressure wire brooms to remove all loose dirt, gravel, vegetation, oil, and debris.
- **Oil/Grease Stain Treatment:** Apply an approved chemical oil/grease primer or degreaser to all saturated petroleum stains to prevent bleed-through and ensure proper adhesion of subsequent sealers.

Phase 2: Asphalt Patching & Repair (Failed/Alligator Areas)

- **Saw-Cutting:** Perimeter-cut all severely alligator-cracked, rutted, or structurally failed pavement areas using a diamond blade saw to a depth of 3–4 inches. Cuts must be clean, straight, and vertical, extending 6 inches past the deteriorated zone into sound pavement.
- **Excavation & Base Repair:** Excavate removed pavement and inspect the underlying base rock. Compact the base material; if subgrade failure is present, backfill with crushed aggregate base rock and compact to **95% Relative Compaction**.
- **Tack Coat:** Apply a uniform spray coat of asphalt emulsion (SS-1h or equivalent) to all vertical saw-cut edges and exposed base rock.
- **Asphalt Placement:** Fill excavated areas with Hot Mix Asphalt (HMA), laid in lifts not exceeding 2 inches, and compact using a vibratory roller to match the surrounding grade.

Phase 3: Crack Filling & Sealing

- **Crack Cleaning:** Clean all cracks wider than 1/8 inch (3 mm) using high-pressure compressed air and heat lance to burn away vegetation and moisture.
- **Hot-Applied Sealant Placement:** Inject a hot-applied, rubberized crack sealant meeting **ASTM D6690** specifications directly into cleaned cracks. Overband cracks using a rubber squeegee flush with the adjacent pavement surface (maximum 2-inch wide band).

Phase 4: Leveling Low Spots (Depressions)

- **Tack Coat Application:** Spray tack coat liberally over depressed low spots holding water.
- **Leveling/Skin Patching:** Apply a fine-aggregate hot mix asphalt or high-performance cold/warm polymer-modified asphalt skin patch to bring low areas flush with surrounding grades, eliminating standing water.

Phase 5: Surface Sealcoating / Top Coating

- **Materials:** In the specified existing paved area, completely apply an asphalt-emulsion-based sealcoat (or refined coal-tar/polymer alternative) mixed with **3 to 5 lbs of silica sand per gallon** and approved latex fortifying polymers for improved skid resistance and durability.
- **Application Method:** Apply **two (2) coats** via squeegee or high-pressure spray application.
 - *First Coat:* Uniform application to penetrate and seal surface pores.
 - *Second Coat:* Applied perpendicular to the first coat after the first coat has thoroughly dried (minimum 2–4 hours cure time between coats).

2. Quality Control & Performance Standards

- **Water Test:** Upon completion, the surface shall be flushed with water. No standing water deeper than 1/8 inch shall remain after 30 minutes under sunny conditions.
- **Curing & Traffic Control:** Contractor shall provide barricades and warning tape to exclude vehicular traffic for a minimum of **24 to 48 hours** following topcoat application.

Any questions as to the satisfactory performance of work specified shall be determined by the CA.

The Contractor shall remove all trash, which is produced by their work required in these specifications, from the facilities' premises, and dispose of them properly.

The State, or its employees or building occupants, shall not be held responsible for incorrect or damaged deliveries made to any of the facilities even if a signature is provided. All responsibilities of receiving material and/or equipment deliveries are the responsibility of the contractor, or their subcontractor. It is recommended that a company representative be present when deliveries are made.

The Contractor shall not be responsible for repairs due to flagrant vandalism, fire, storm, or related damages that can be attributed to causes beyond the contractor's control. However, the Contractor shall be responsible for such repairs if the damage is caused by the Contractor's failure to properly maintain and repair the equipment, e.g., failure to reinstall protective covers causing motor to burn during rainstorm.

The CA, or representative, reserves the right to determine which claims are valid and submit an official list to the contractor for corrective action. All corrective work and extended services shall be included within this contract and provided, at no additional cost to the State, by the contractor.

Upon the acceptance by the State that all discrepancy items have been properly repaired/replaced, all responsibility of that system shall cease with the contractor. **The State shall be the sole judge as to whether these discrepancies have been fully corrected.**

IV. WORK SCHEDULE

All tasks described herein shall be performed between the hours of **7:45 AM. to 4:00 P.M. on normal working days**. Normal working days shall be defined as Mondays through Fridays, excluding State holidays. If this is not possible, contact the Contract Administrator's representative (Dixon Park, Telephone: 808-345-0245, Email: dixon.j.park@hawaii.gov) for further guidance.

The Contractor is required to schedule his work to accommodate and prevent disruption of building operations as much as possible and/or may be required to return at a more appropriate time all at no additional cost to the State, but work **must be** performed and not missed.

All work performed by the Contractor shall be subject to random periodic inspection and testing by the Contract Administrator or a representative of the Central Services Division, DAGS, State of Hawaii. The State reserves the right to have the Contractor present at such inspections to be scheduled by the State periodically.

V. CLEANUP AND WORK PRACTICES

The Contractor shall keep the job site free of debris, litter, refuse, etc. and shall clean all fluids, oil, grease drippings or spills during the daily progress of work. The Contractor shall remove all tools, parts, and equipment from the service area upon completion of the work and legally dispose of, whether hazardous or not, in accordance with EPA and/or other government regulations including providing written records. The Contractor shall support and protect the State legally and financially with regard to these regulations.

The Contractor shall exercise caution during the progress of his maintenance and repair work to prevent damage to any of the building structure. Contractor shall restore all damages, caused by the Contractor's negligence, at the Contractor's own expense, when requested by the State.

VI. SAFETY PRECAUTIONS

The Contractor shall close off area(s) and post signs indicating the area(s) are closed to pedestrian traffic. Equipment, apparatus, or rope coils on the ground level shall be marked off with cones and signs warning pedestrian traffic. The Contractor shall provide all safety cones and signs.

The Contractor shall provide and use safety signs and other barricades and other devices necessary for the safety and convenience of the general public. The Contractor shall always conduct work to assure the least possible obstruction of public traffic without obstructing the free flow of traffic and public right-of ways. If public lane closures are necessary, the Contractor is required to obtain all approvals and permitting for such action from the owner or appropriate agency.

Contractor's personnel shall be capable of performing in accordance with these specifications and industry standards. All work shall strictly adhere to all provisions performed in compliance with all Federal, State, Local OSHA, HIOSH and ANSI laws and codes. OSHA Standards 29 CFR 1910 Subpart D is made aware of and acknowledged by the Contractor.

VII. SECURITY REQUIREMENTS

The Contractor must be aware of the heightened security conditions at all the State facilities covered by this contract. The Contractor is requested to be aware and to report any suspicious activity or obvious breach of security in relation to, or in the course of their work at any of the State facilities to the CA with as much detailed information as possible. The Contractor must keep their work areas closed and secure; before, during and after performing work. Any doors left open and unsecured may be liable for security breaches and be charged at \$100.00 per incident per day per location. The State reserves the

right to request that background security checks be provided when requested for each person assigned to this contract.

VIII. PARKING

Contractors, subcontractors, and equipment service companies doing business on or around State of Hawaii buildings/facilities will be assessed appropriate parking fees. The contractor shall be solely responsible for all parking fees. Parking stalls will be assigned only to the company vehicles **subject to availability only. Assignment of parking stalls is NOT guaranteed.** Check with the **Automotive Management Division (telephone 808-586-0351)** to request the number and cost of stalls for the duration of this contract. Each stall will be assessed at the current rate per month as established by the Department's Rules Governing Parking on State Lands. If the Work involved is less than five working days, check with the Automotive Management Division to coordinate specific parking requirements. Subject to availability, the Contract Administrator or their Representative will designate areas to be used by the Contractor other than assigned stalls.

IX. CONTRACTOR'S GUARANTEE

The Contractor must guarantee workmanship and materials at the contractor's expense for a period of twelve (12) months from date of installation. This shall include remediation of any visible structural cracking, raveling, and low spots/puddling

If the work or product is not acceptable to the Contract Administrator during the initial period of Acceptance, the Contract Administrator may, at its discretion, continue Acceptance Testing on a day-to-day basis until it is deemed acceptable by the Contract Administrator.

- Upon rejection, the vendor will have three (3) calendar days to cure any Acceptance issue(s).
- If, after the cure period, the product/work still not acceptable, the Contract Administrator may, at its option:
 - A. Declare the vendor to be in breach and terminate the order,
 - B. Demand a replacement product or rework from the vendor at no additional cost to the State, or
 - C. Continue the cure period for an additional time period agreed upon by the Contract Administrator.

X. REPORTING DAMAGES

Any damage to buildings, structures, vehicles, and any other items in the area and adjoining properties caused by the Contractor or any of its personnel shall be repaired and/or replaced by the Contractor at their own expense and to the satisfaction of the Contract Administrator or his designated representative and any injured party.