

GENERAL NOTES

1. The scope of work for Project No. 61A-01-97M consists of resurfacing the existing pavement; removing existing p.c.c. gutter and resurfacing with P.C.C. pavement; cold planing; removing existing p.c.c. lane and resurfacing with A.C. pavement; adjusting manholes, pullboxes, centerline and reference survey monuments; removing and installing guardrails; constructing drainage improvements; and installing loop detectors, quadguards, wheelchair ramps, signs, and pavement markings.
2. The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility for Utility Property and Service; and Section 645 - Traffic Control of the Special Provisions.
3. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
4. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data, but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
5. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
6. The Contractor shall, in addition to normal surface preparation, remove and dispose of all existing raised pavement markers and temporary tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
7. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
8. Dressing of shoulders is covered in Section 208 - Dressing of Shoulders of the Special Provisions. This work shall be considered incidental to the various contract items.
9. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items, and will not be paid for separately.
10. The Contractor shall provide safe access to and from all existing driveways and streets at all times.
11. The Contractor shall notify the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. *848-4571) seven (7) days prior to any paving operations.
12. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items, and will not be paid for separately.
13. All holes, depressions, and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V, leveling course, prior to resurfacing. The exact locations and limits or areas to be filled with leveling course shall be determined in the field by the Engineer. This work will be paid for under Asphalt Concrete Pavement, Mix No. V.
14. Where called for on the plans, the Contractor shall remove and dispose of existing concrete curbs. This work shall be considered incidental to Item No. 609.2020 - Curb, Type 2D.

15. After completion of resurfacing, the Contractor and Engineer will test for, and determine ponding areas. (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas to the satisfaction of the Engineer, at no additional cost to the State.
16. The Contractor's attention is directed to Subsection 4.3.3 - Accessible Route: Width, of the Americans with Disabilities Act Accessibility Guidelines.
17. Smooth connections shall be constructed to existing driveways, concrete sidewalks, catch basins and wheelchair ramps as shown on the plans and/or as directed by the Engineer.
18. The Contractor shall provide safe access for pedestrians at all times during construction.

QUADGUARD & GUARDRAIL NOTES

1. All work associated with the QuadGuard System shall be as directed by the Engineer.
2. The required transition and extension panels, concrete pads and tension strut backup assembly shall be considered incidental to the QuadGuard System.
3. Guardrail locations shown in plans are approximate. Actual locations to be determined in the field by the Engineer.

COLD PLANING NOTES

1. All saw cutting work shall be considered incidental to Cold Planing and will not be paid for separately.
2. The exact locations and limits or areas to be cold planed shall be determined in the field by the Engineer.
3. The vertical pavement drop-off shall not exceed 3-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 150:1 minimum transition taper for transverse drop-off and no steeper than 6:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to Cold Planing.
4. The Contractor shall lower manholes prior to Cold Planing, backfill with hot mix and re-adjust after final paving. Covering of lowered manholes shall be considered incidental to Manhole Adjustments.

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
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| HAWAII | HAW. | 61A-01-97M | 1997 | 3 | 84 |

TRAFFIC CONTROL NOTES -
P.C.C. LANE RECONSTRUCTION

1. Any requests for adjustments to the Traffic Control Plans must be submitted in writing and approved by the Engineer. The Contractor's attention is directed to Subsection 108.08 - Failure to Complete on Time and Liquidated Damages of the Special Provisions.
2. Relocation and/or removal of temporary signs, posts and portable concrete guardrails used for Traffic Control shall be considered incidental to their respective contract items.
3. All temporary signs and delineators for the purposes of Traffic Control for P.C.C. Lane Reconstruction shall become the property of the Contractor at the completion of the project.
4. The Contractor shall delete the use of the ground anchorage steel pin for State Furnished Portable Concrete Guardrail.
5. Portable concrete guardrail panels not in use during construction work shall not be stockpiled or otherwise stored within the highway right-of-way except at locations approved by the Engineer.
6. The Contractor shall periodically wash down signs, delineators and portable concrete guardrails called for in the Traffic Control Plans as deemed necessary by the Engineer. This work shall be considered incidental to the various contract items and no payment will be made therefore.
7. The location of pavement markings and signs, delineators and portable concrete guardrail panels used in Traffic Control shall be as shown on the plans and/or as determined in the field by the Engineer.
8. Damage to signs, temporary pavement markers, delineators and portable concrete guardrails caused by the public shall be repaired or replaced by the Contractor as directed by the Engineer. This work shall be paid for under Item No. 645.2000 - Police Officers and/or Additional Traffic Control Devices. Damage caused by the Contractor's negligence shall be repaired or replaced at the Contractor's expense.
9. Work required in the Traffic Control Plans will be paid under applicable contract items or as otherwise specified herein. All other traffic control work shall be in accordance with Section 645 - Traffic Control. Work required for lane closures during the working day will not be paid for, but shall be considered incidental to various contract items. Advance Construction Warning Signs as required under Section 645 of the Special Provisions shall be installed on all approaches to construction areas including on-ramps. This work shall be considered incidental to the various contract items.
10. Installing, maintaining and changing batteries of the Portable Concrete Guardrail Mounted Steady Burn Warning Lights shall be considered incidental to Item No. 606.4230 - State Furnished Portable Concrete Guardrail (Intermediate Panel).

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| SURVEY PLOTTED BY | DATE |
| DRAWN BY | 5/29/97 |
| PLACED BY | |
| CHECKED BY | |
| QUANTITIES BY | |
| ORIGINAL PLAN | |
| NOTE BOOK | |
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| 6/12/97 | Revised Quadguard & Guardrail Notes and Traffic Control Notes heading. |
| DATE | REVISION |

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| STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES PALI HIGHWAY RESURFACING Country Club Road to Tunnel Entrance Including Both Roads to Lookout Project No. 61A-01-97M Date: May 1997 |
| SHEET No. 1 OF 1 SHEETS |