

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

GENERAL NOTES

1. The scope of work for this project consists of resurfacing and and reconstructing existing pavement; cold planing; installation of signs and pavement markings. This project starts on Kalapana Road Mile Post (M.P.) 16.70 and ends in the vicinity of Kalapana Kalapana, M.P. 19.98 on Kalapana Road.

2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.

3. The Contractor's attention is directed to the following Sections of the Special Provisions : Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.

4. 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.

5. 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 be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.

6. The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.

7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.

8. The Contractor shall remove and dispose of all existing raised pavement markers 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.

9. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. IV prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.

10. 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.

11. Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.

12. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

13. The contractor shall provide for access to and from all existing side streets at all times.

14. All saw cutting work shall be considered incidental.

15. The Contractor shall obtain a construction permit from the State's Highway District Engineer at 50 Makaala Street prior to commencement of work within state highway right-of-way.
16. Construction and Restoration of all existing highway facilities within State right-of-way shall be done in accordance with all applicable sections of the current standard specification for road and bridge construction. Dated 1985, and the specifications for installation miscellaneous improvements within State Highways, dated May 1, 1984 of the State of Hawaii, Highway Division.

17. All lanes shall be opened to traffic during the morning peak hours from 5:00 a.m. to 8:30 p.m., and during off-work hours. Only one lane shall be closed at any other time.

18. The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities shall take all necessary precautions for the protection and for the convenience and safety of public traffic. All such protective facilities and precautions to be taken shall conform 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 for Streets and Highway, Part VI - Traffic Control for Highway Construction and Maintenance Operation". If lane closures are required during construction, a Traffic Control Plan shall be incorporated into the construction plans and must be approved by the division prior to the issuance of the permit.

19. No material and/or equipment shall be stockpiled or otherwise stored within Highway rights-of-way except at location designated in writing and approved by the District Engineer.

20. The contractor shall exercise care to minimize damages to existing highway improvements. All damages shall be repaired by the contractor, at his expense, to the satisfaction of the District Engineer.

21. All regulatory, Guide, and Construction Signs and Barricades shall have a high-intensity reflective background.

22. The contractor shall inform the State Highways' Permit Office (933-4640) at least two (2) days prior to closing and lanes.

23. Driveways shall be kept open unless the owner of the properties using these rights-of-way are otherwise provided for satisfactorily.

25. As required by the Department of Transportation, State of Hawaii, the contractor shall provide off-duty police officers to control the flow of traffic.

26. Contractor shall maintain safe access to and from all existing side streets at all times.

27. All saw cutting shall be considered incidental to item No. 652.0100, Cold Planing.

28. Cold planed material shall be utilized on this project to fill in areas adjacent to the paved shoulders as directed by the Engineer. This work shall be considered incidental to Cold Planing and will not be paid for separately.

29. The typical section(s) shown are generally representative of the project area as a whole. Actual conditions may vary. The Contractor shall be responsible to inspect the project site as needed to better assess the true cost of each contract proposal item prior to bidding.

30. Longitudinal drainage along the highway shall be maintained.

35. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.
31. Initial preparation of shoulder areas shall be done by the Contractor. This work shall be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.
32. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
33. Public Notice is required for lane closures. Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with the dates left blank, is permissible.
34. Contractor shall mark the backs of all signs using labels and equipment provided by the State. Payment to be incidental to various Contract Items.

LEGEND

- Cold Planing Areas
- Resurfacing Limits
- Existing Guy Pole
- Existing Power Pole
- Existing Telephone Pole
- Existing 8" Water Line
- Existing Water Air Valve
- Existing Water Valve Box
- Existing Monument
- Adjusted Monument
- Existing Drain Line
- Existing Edge of Pavement
- Existing Edge of Shoulder
- Existing Culvert
- Existing Traffic Sign (Single Post)
- New Traffic Sign (Single Post)
- New Traffic Sign (Double Post)
- Existing Reflective Marker
- New Reflective Marker



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGENDS

KALAPANA ROAD RESURFACING
M.P. 19.98 TO M.P. 16.70
Project No. 130A-01-97M

SCALE: NONE DATE: April 1997

SHEET No. 1 OF 1 SHEETS