

GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing existing pavement; resurfacing; adjusting water valve boxes and sewer manholes; adjusting and/or installing centerline and reference survey monuments; removing existing curbs, pavement markers and traffic signs; installing new curbs, pavement markers and traffic signs; hydro-mulch seeding; and dressing shoulders.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subcontracts, which requires him to perform work amounting to not less than 30 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, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
7. All work on this project shall be conducted during daytime between 8:30 A.M. and 3:30 P.M. All lanes shall be open to traffic during peak hours from 6:30 A.M. to 8:30 A.M., during afternoon peak hours from 3:30 P.M. to 6:30 P.M. and during off work hours. Only one lane of highway shall be closed at any other time. Failure of the Contractor to open all lanes of traffic during the times specified above shall result in assessment of liquidated damages as specified in Section 108.09 of the Special Provisions.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. The Contractor shall remove and dispose of all existing raised pavement markers and traffic 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.
10. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
11. 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.
12. Trimming and dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and excavation shall not be used for dressing of shoulder, sidewalk or bus turnout. Trimming and dressing of shoulder shall not be paid for separately but shall be considered incidental to the various contract items.
13. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
14. 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.

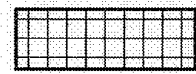
15. The contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items, and will not be paid for separately.
16. All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
17. Install new Type II Object Marker on all utility poles or trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Refer to Standard Plan TE-17.
18. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility & highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.
19. After completion of resurfacing, the Contractor shall conduct tests 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. The Contractor shall notify the Engineer of the ponding test schedule.
20. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.
- Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
21. The Contractor shall be responsible for preserving and recording the locations of all existing centerline and reference survey monuments. This work shall be considered incidental to Item No. 613.0120 - Adjusting Centerline and Reference Survey Monument.
22. All asphalt concrete materials from cold planing operations shall become the property of the State. The Contractor shall deliver the cold-planed asphalt material to the State Highways baseyard in Puhī. Prior to delivering the materials, the Contractor shall contact the Maintenance Engineer to make arrangements for the material delivery. Asphalt material removed by cold planing from roadway reconstruction and roadway excavation areas shall be included in the delivery to the State baseyard. This work shall not be paid for separately, but shall be considered incidental to the various contract items.
23. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items, and shall not be paid for separately.
24. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-of-Way Branch at telephone no. 692-7332.

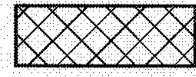
WATER NOTES

1. Adjust the existing valve boxes to the new finished grade.
2. Prior to commencing his operations, the Contractor shall contact the County of Kauai's Department of Water Operations Division (Tel. No. 245-5444) and make arrangements for the Department of Water personnel to "tione" for and mark the locations of existing valve boxes, including ones that may have been inadvertently paved over on previous resurfacing projects. Approximate locations of valve boxes that are to be raised to the new finished grade are noted on the plans.
3. It shall be the Contractor's responsibility to offset and record locations of the valve boxes as marked by the Department of Water for the purposes of adjusting to the new finished grade after completion of the paving operations. The Contractor shall preserve all offset stakes marking location of the valve boxes. If offset stakes are damaged or lost, it shall be the Contractor's sole responsibility to survey and re-stake the location of the valve boxes.

LEGEND

-  New Construction Areas

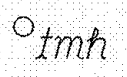
 Cold Planing Areas

 Reconstruction Areas

 Resurfacing Limits

 Existing Power Pole

 Existing Electric Manhole

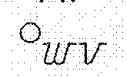
 Adjusted Elec. MH Frame/Cover

 Existing Telephone Manhole

 Adjusted Tel. MH Frame/Cover

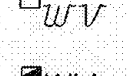
 Existing 12" Water Line

 Existing Water Manhole

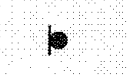
 Adjusted Water Manhole

 Existing Water Air Valve

 Adjusted Water Air Valve

 Existing Water Valve Box

 Adjusted Water Valve Box

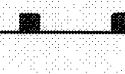
 Water Valve Box Below Exist. A.C. Pavement (to be Adjusted)

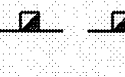
 Existing Water Meter

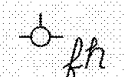
 Adjusted Water Meter

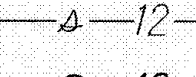
 Existing Traffic Sign

 New Traffic Sign
-  Existing Metal Guardrail

 New Metal Guardrail

 Adjusted and/or Relocated Metal Guardrail

 Existing Fire Hydrant

 Existing Sewer Line

 New 12" Sewer Line

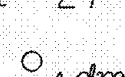
 Existing Sewer Manhole

 Adjusted Sewer Manhole

 New Sewer Manhole

 Existing Monument

 Adjusted Monument

 New Monument

 Existing 24" Drain Line

 Existing Storm Drain Manhole

 Adjusted Storm Drain Manhole Frame/Cover

 Existing Grated Drop Inlet

 Adjusted Grated Drop Inlet

RECEIVED:

Bruce Inoué  
PERMANENT CHIEF ENGINEER  
DEPT. OF WATER, COUNTY OF KAUAI

3/11/08  
DATE

APPROVED:

Wayne Henington  
Manager & Chief Engineer  
Department of Water

3/23/04  
Date

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

WAIALO ROAD RESURFACING  
Vicinity of Port Allen  
Project No. 541A-01-04M

Date: March 2004

SHEET No. 1 OF 1 SHEETS