


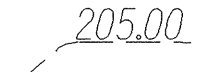
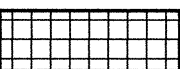
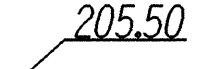

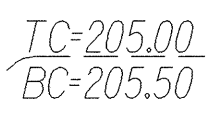
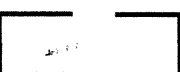
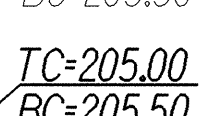
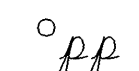
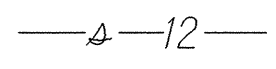
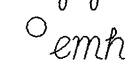
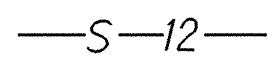

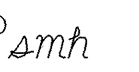
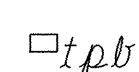
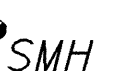
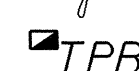
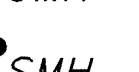
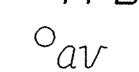
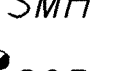


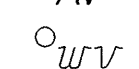
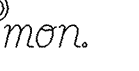


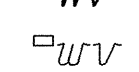


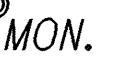
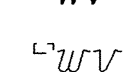

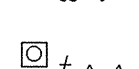
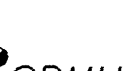
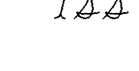

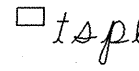




GENERAL NOTES

1. The scope of work for this project includes reconstructing weakened pavement areas; cold planing; resurfacing; reconstructing curb ramps and gutters; relocating traffic signal pullboxes; adjusting water valve boxes, sewer manholes and chimney boxes, telephone pullboxes and street survey monuments; adjusting and/or installing grated drop inlets; installing centerline and reference survey monuments, pedestrian push buttons and pedestals; removing and installing pavement markings and traffic signs; and dressing of 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 paving work including cold planing, road reconstruction, road resurfacing (including leveling course and finish course) and driveway paving shall be done during night time working hours. Night time working hours are specified in Section 104 of the Special Provisions.
- Daytime operations and working hours are specified in Section 104 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 roadway excavation shall not be used for dressing of shoulder, sidewalk or bus turnout. This work 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.

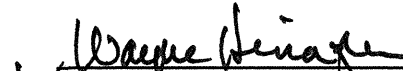
15. The contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to curb ramp and sidewalk, and will not be paid for separately.
16. All saw cutting work and clean-up of slurry 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. Prior to commencing his resurfacing operations, the Contractor shall contact the County of Kauai's Department of Water Operations Division (Phone No. 245-5444) and make arrangements for the Department of Water personnel to "tone" for, and mark 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.
- It shall be the Contractor's responsibility to offset and record locations of the valve boxes as marked by the Department of Water for purposes of adjusting the valve boxes to the new finished grades after completion of his resurfacing operations. The Contractor shall preserve all offset stakes marking the locations of the valve boxes. If offset stakes are damaged or lost, it shall be the Contractor's sole responsibility to survey and re-stake locations of the valve boxes.
- Payment for work involved in locating water valve boxes that have been inadvertently paved over on previous resurfacing projects shall not be paid for separately, but shall be considered incidental to the various contract items.
- Adjusting water valve boxes that have been paved over on previous resurfacing projects shall be paid for under contract Item No. 604.4551 - Adjusting Water Valve Box.
20. After completion of resurfacing, the Contractor and the 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.
21. 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.
22. The Contractor shall be responsible for preserving and recording the locations of all existing street survey monuments. This work shall be considered incidental to Item No. 614.0120 - Adjusting Standard Street Survey Monument.
23. Except for pavement marking and traffic signing, no work shall be done between & Sta. 139+00 and & Sta. 144+50. Improvements within this exception will be performed under a separate project (subsurface/soil investigation/erosion control project).
24. Unless otherwise shown on the plans, accessible sidewalks, curb ramps and driveways will be installed and/or reconstructed to current standards under a separate pedestrian facilities and ADA compliance project.


25. 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.
26. 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.
27. 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 Puhi. 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.

LEGEND

	Reconstruction Areas		Existing Elevation
	New Construction Areas		New Elevation
	Cold Planing Areas		Existing Elevation
	Resurfacing Limits		New Elevation
	Existing Power Pole		Existing Sewer Line
	Existing Electric Manhole		New 12" Sewer Line
	Adjusted Elec. MH Frame/Cover		Existing Sewer Manhole
	Existing Telephone Pullbox		Adjusted Sewer Manhole
	Adjusted Telephone Pullbox		New Sewer Manhole
	Existing Water Air Valve		Adjusted Sewer Chimney Box
	Adjusted Water Air Valve		Existing Monument
	Existing Water Valve Box		Adjusted or Reconstructed Monument
	Adjusted Water Valve Box		New Monument
	Existing Water Meter		Existing Storm Drain Manhole
	Adjusted Water Meter		Adjusted Storm Drain Manhole Frame/Cover
	Water Meter Box to be Removed		Existing Grated Drop Inlet
	Exist. Traffic Signal Standard		Adjusted Grated Drop Inlet
	Exist. Traffic Signal Pullbox to Remain		Exist. Fiber Optic Cable MH to be Adjusted by Sandwich Isles Communications, Inc.
	Relocated Traffic Signal Pullbox		
	Existing Traffic Sign		
	New Traffic Sign		
	Existing Metal Guardrail		
	Existing Fire Hydrant		

APPROVED:


Manager & Chief Engineer
Department of Water


Date

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
<u>KUHIO HIGHWAY RESURFACING</u> <u>Vicinity of Hanamaulu</u> <u>Project No. 56A-01-04M</u>
Date: June 2004
SHEET No. 1 OF 1 SHEETS