

GENERAL NOTES:

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-051-1(10)	2001	3	34

- The scope of work for this project includes reconstructing weakened pavement areas; cold planing; resurfacing; constructing sidewalks and curb ramps; adjusting and/or installing centerline and reference survey monuments; adjusting existing utility valves, boxes, and manholes; removing existing guardrails; installing new guardrails and terminal sections; removing and installing pavement markings and traffic signs; adjusting existing drain inlets; constructing new drain inlets; and dressing shoulders.
- 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.
- The Contractor's attention is directed to the following Sections of the Special Provisions : Subsection 105.06 – Cooperation Between Contractors; Subsection 107.13 – Public Convenience and Safety; Subsection 107.21 – Contractor's Responsibility For Utility Property And Services; and Section 645 – Traffic Control.
- 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.
- 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.
- The exact location and limits or areas to be filled with leveling course, excavated, reconstructed and cold planed shall be determined in the field by the Engineer.
- The Engineer will permit lane closures only from 8:30 A.M. to 3:30 P.M. Failure of the Contractor to open all lanes of traffic during peak hours and non-working hours shall result in assessment of liquidated damages as specified in Section 108.08 – Failure to Complete on Time and Liquidated Damages, of the Standard Specifications. For work time schedule, see Section 104 – Scope of Work of the Special Provisions.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 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.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- 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.
- The Contractor shall provide for access to and from all existing side streets and driveways at all times.
- 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 cold-planed asphalt concrete therefrom, and if necessary, additional materials from borrow outside the limits of the rights of way. This work shall be considered incidental to the various contract items.

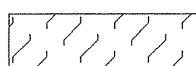

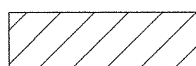










- Earth swales shall be graded to drain. This work shall be considered incidental to the various contract items.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
- The Contractor shall remove and dispose debris and silt from existing culverts, including aprons and outlets, where grates are to be replaced. This work shall be paid for under Item No. 603.0100 – CLEAN EXISTING CULVERTS.
- All saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- 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.
- Prior to the resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and 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. This work shall be considered incidental to the various contract items.
- 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.
- No section where guardrails have been removed shall be left unshielded at the end of each work day. Open sections shall be shielded by portable physical barriers. Furnishing, placing and maintaining physical barriers shall be considered incidental to the various contract items. See plan sheet No. 21 for details.
- All new guardrails shall be single with strong posts unless noted otherwise.
- Removal and disposal of W-beam end sections (flared) and Terminal End, Type BCT including removal of the cable assembly, concrete anchor blocks (1 CY) and rubrails shall be paid for under Item No. 202.0310 – REMOVAL OF GUARDRAILS AND POSTS.
- Removal and disposal of existing curb ramps, curbs and sidewalk portions shall be paid for under the various curb ramp items.
- The Contractor shall secure the services of a Hawaii licensed surveyor to establish control points at the beginning and end of the project, points of intersection, intermediate points at intervals of 1000 linear feet, and all construction stakeout required to complete the job. In addition, Contractor's surveyor shall furnish bench marks and stake out monuments, property lines and right-of-way lines. Payment for surveyor's services shall not be paid for separately, but shall be considered incidental to Item No. 613.0301 – CENTERLINE AND REFERENCE SURVEY MONUMENT. NOTE: All centerline and reference survey monuments shall be installed 15 feet offset from the roadway baseline, as shown on the plans.
- All cold plane and surplus selected materials shall remain the property of the State. The Contractor shall transport to and stockpile these materials at the State Baseyard, located at Kahau Road in Kapaa. The contractor shall coordinate with the Maintenance Engineer (Tel. #821-4440) to determine the exact locations for stockpiling the surplus and cold plane materials. Cold plane materials shall be stockpiled separately from other materials. Transporting and stockpiling cold plane material shall be considered incidental to Item No. 652.0301 – COLD PLANING. Transporting and stockpiling surplus selected material shall be considered incidental to Item No. 651.0100 – EXCAVATION FOR RECONSTRUCTION OF WEAKENED PAVEMENT AREAS.

- Prior to commencing his resurfacing operations, the Contractor shall contact the County of Kauai's Department of Water Maintenance Branch (Phone No. 245-5444) and make arrangements for Department of Water personnel to "tone" for, and mark locations of existing valve boxes that may have been inadvertently paved over on previous resurfacing projects. Approximate location of valve boxes that are to be raised to the new finished grade are noted on the plans.

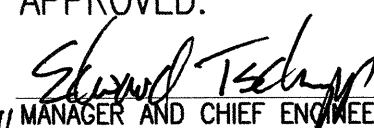
It shall be the Contractor's responsibility to offset and record locations of the valve boxes as marked by the Dept. of Water for the purposes of adjusting the valve boxes to the new finished grades after completion of his resurfacing operations. The Contractor shall preserve all offset stakes marking 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.

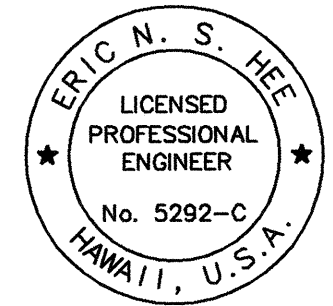
Payment for work involved in locating paved-over water valve boxes shall not be paid for separately, but shall be considered incidental to Item No. 604.4551 – ADJUSTING WATER VALVE BOX FRAME AND COVER.

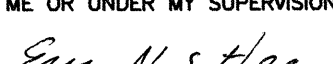
LEGEND

	New Shoulder Widening Areas		Existing Metal Guardrail
	Cold Planing Areas		New Metal Guardrail
	Reconstruction Areas		Adjusted and/or Relocated Metal Guardrail
○ pp	Existing Power Pole		Existing Fire Hydrant
○ emh	Existing Electric Manhole	—s—12—	Existing Sewer Line
● EMH	Adjusted Elec. MH Frame/Cover	—S—12—	New 12" Sewer Line
○ tmh	Existing Telephone Manhole	○ smh	Existing Sewer Manhole
● TMH	Adjusted Tel. MH Frame/Cover	● SMH	Adjusted Sewer Manhole Frame/Cover
—w—12—	Existing 12" Water Line	● SMH	New Sewer Manhole
○ wmh	Existing Water Manhole	⊙ mon.	Existing Monument
● WMH	Adjusted Water MH Frame/Cover	⊙ MON.	Adjusted or Reconstructed Monument
○ av	Existing Water Air Valve	⊙ MON.	New Monument
● AV	Adjusted Water Air Valve	—d—24—	Existing 24" Drain Line
○ vv	Existing Water Valve Box	○ sdmh	Existing Storm Drain Manhole
● WV	Adjusted Water Valve Box	● SDMH	Adjusted Storm Drain Manhole Frame/Cover
⊙ WV	Water Valve Box Below Exist. A.C. Pavement (to be adjusted)		Existing Grated Drop Inlet
	Existing Water Meter		Adjusted Grated Drop Inlet and/or Replace Existing Grate
	Adjusted Water Meter		New Grated Drop Inlet
⊠	Existing Traffic Sign		Existing Catch Basin
⬢	New Traffic Sign		

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

APPROVED:  
  
MANAGER AND CHIEF ENGINEER  
DEPT. OF WATER, COUNTY OF KAUAI



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
  
ENGINEERS SURVEYORS HAWAII, INC.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>GENERAL NOTES AND LEGEND</b> WAAPA ROAD/RICE STREET RESURFACING Nawiliwili Road To Kapule Highway Federal Aid Project No. NH-051-1(10) Scale: No Scale Date: July, 2000 SHEET No. 1 OF 1 SHEETS
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