

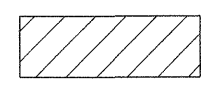

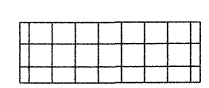
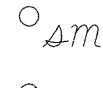


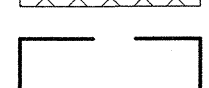

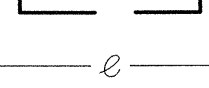




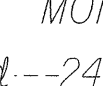

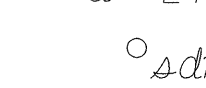


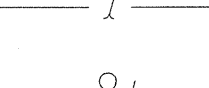

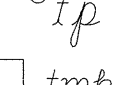

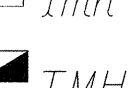
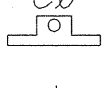
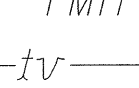
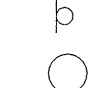

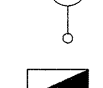
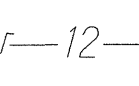

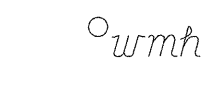

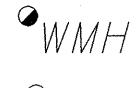
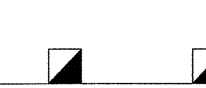





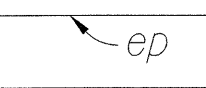
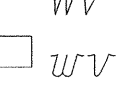
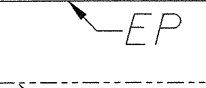








GENERAL NOTES

1. The scope of work for this project includes resurfacing, cold planing; adjusting utility boxes and manholes; removing cable television pullboxes and water valve boxes; removing and installing metal guardrail and posts, pavement markings and traffic signs; replacing existing drain inlet grates; trimming and dressing of shoulders and removing of silt and debris from culverts.
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 of areas to be reconstructed and cold planed shall be determined in the field by the Engineer.
7. All lanes shall be open to traffic during daytime hours. Work in the shoulder and travelway shall be done at night as specified in Section 104 of the Special Provisions. 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 108.08 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. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of the project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
11. 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 right of way. This work shall be considered incidental to the various contract items.
12. 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.
13. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

14. The contractor shall provide for access to and from all existing side streets at all times.
15. All saw cutting work shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.
16. 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.
17. The Contractor's attention is directed to Section 401.03 (E) "Spreading and Finishing" of the Standard Specifications. Care shall be taken to insure longitudinal joints remain within 6" of the edge of the travelway to insure smooth, straight grades in the lane. The travelway shall be paved in one pass the full width through all lane transitions.
18. All new metal guardrail shall be Strong Post W-Beam, unless noted otherwise.
19. Removal of Type D Terminal End (mounded end) including removal of earth mound, concrete anchor block and one length of guardrail shall be paid under Item No. 202.0410 - REMOVAL OF TYPE 'D' TERMINAL ENDS. Removal of the earth mound (36 CY), concrete anchor block (1 CY), and one length of guardrail shall be considered incidental to Type 'D' removal.
20. Removal of metal rail and posts at Type C and Type F Terminal Sections shall be paid under item No. 202.0420 - REMOVAL OF GUARDRAIL AND STEEL POSTS. Anchor Block and Grouted Rubble Paving shall not be removed.
21. Removal of BCT Terminal End including removal of two concrete footings (3/4 CY) and backfill of same; cable assembly; and all hardware, etc., shall be paid under Item No. 202.0415 - REMOVAL OF BCT TERMINAL ENDS. Removal of metal rail and posts at BCT shall be paid under item No. 202.0420 - REMOVAL OF GUARDRAIL AND STEEL POSTS.
22. Connection to existing guardrail shall be considered incidental to Item No. 606.3110 - GUARDRAIL, W-BEAM - SINGLE WITH STRONG POST.
23. 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 other contract items.
24. During working hours, open sections shall be delineated by placing Type II Barricades with flashers @ 40' O. C. and traffic cones @ 10' O. C. between barricades. Furnishing, placing and maintaining barricades and cones shall be considered incidental to other contract items.
25. All cold plane material and all surplus selected material shall remain the property of the State. Transport to, and stockpile these materials at a location designated by the Engineer. Cold plane material shall be stockpiled separate from other materials. Transporting and stockpiling of cold plane material shall be considered incidental to Item No. 652.1000 - COLD PLANING OF EXISTING PAVEMENT. Transporting and stockpiling of surplus selected material shall be considered incidental to Item No. 203.0100 - ROADWAY EXCAVATION.
26. Prior to working within the County's right of way, the contractor shall procure and pay for all County licenses and permits and shall give all notices necessary and incident to the due and lawful prosecution of work at no cost to the State.

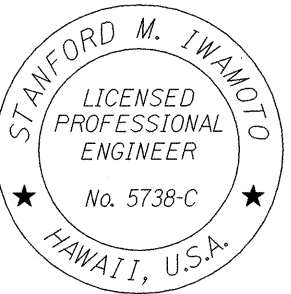
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-00M	2001	3	23

LEGEND

	New Construction Area		Existing 12" Sewer Line
	Reconstruct Pavement		Existing Sewer Manhole
	Cold Planing Areas		Adjust Sewer MH Frame/Cover
	Resurfacing Limits		Adjust Sewer Valve Box
	Existing Electrical Line		Existing Monument
	Existing Joint Pole		Adjust Monument
	Existing Power Pole		New Monument
	Existing Electric Manhole		Existing 24" Drain Line
	Adjust Elec. MH Frame/Cover		Existing Storm Drain Manhole
	Existing Telephone Line		Adjust Storm Drain MH Frame/Cover
	Existing Telephone Pole		Existing Grated Drop Inlet
	Existing Telephone Manhole		Adjust Existing Grated Drop Inlet
	Adjust Tele. MH Frame/Cover		Existing Catch Basin
	Existing TV Cable		Existing Traffic Sign
	Existing TV Cable Pullbox		Existing Highway Lighting Standard
	Existing 12" Water Line		Adjust Utility Box
	Existing Water Manhole		Existing Guardrail
	Adjust Water MH Frame/Cover		New Guardrail
	Existing Water Air Valve		Adjust Guardrail
	Adjust Water Air Valve		Existing Edge Shoulder
	Existing Water Valve Box		New Edge Shoulder
	Adjust Water Valve Box		Existing Edge Pavement
	Existing Water Meter		New Edge Pavement
	Adjust Water Meter		Existing Highway Right of Way
	New Water Meter		
	Existing Fire Hydrant		

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

jkmukgndgn



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Signature

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES AND LEGEND	
ROUTE 50, KAUMUALII HIGHWAY RESURFACING Vicinity of Maluhia Road to Omao Road Project No. 50D-01-00M	
Scale: Not to Scale	Date: August, 2000
SHEET No. 1 OF 1 SHEETS	