

GENERAL NOTES

1. The project begins on Puupeeelua Avenue at the intersection of Maunaloa Highway and Puupeeelua Avenue, and stretches North to Farrington Highway. The project then continues East on Farrington Avenue and ends at the intersection of Farrington Avenue and Kalae Highway. Improvements consist of shoulder widening, reconstructing, cold planing and resurfacing existing pavement, adjusting monuments, guardrail posts, pull boxes, manhole frames and covers, installing guardrail, signs and pavement markings.
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. The Contractor shall notify the Department of Hawaiian Homes Lands (DHHL) in writing, two (2) weeks prior to commencement of work. A copy of the notification shall be submitted concurrently to the DHHL Molokai District Office at P.O. Box 198, Hoolehua, Hawaii, 96729, Attention: Greg Hel.
5. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
6. 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.
7. 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.
8. 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.
9. Prior to resurfacing, the existing surface shall be cleaned as described in Section 310 of the Standard Specifications and as amended. Payment shall be considered incidental to various contract items.
10. 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.
11. 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. V.
12. Cold planed 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. Exact locations shall be determined in the field by the Engineer. Payment for this work approaches, side streets and driveways as shown on the plans shall be considered incidental to Asphalt Concrete Pavement, Mix IV.
13. Smooth riding connections shall be constructed at the beginning and end of the project and at all connecting approaches, side roads and driveways and as directed by the engineer.
14. Dressing of shoulder and sidewalk 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. This work shall be considered incidental to the various contract items.
15. All saw cutting work shall be considered incidental to various contract items of work.
16. Existing drainage system shall 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.
17. All construction signs shall be left in place until all construction items have been completed. The Contractor shall obtain prior approval from the Engineer to remove construction signs. This work shall not be paid for separately but shall be considered incidental to various contract items.
18. The Contractor shall not leave more than 1 1/2" drop-offs at the edge of pavement at the end of each work day. This includes drop-offs at the centerline and at the other edges of travel lane.
19. Existing guardrail appurtenances and existing signs and posts that will be removed and replaced shall be delivered to the Molokai District Baseyard in a re-usable condition. Payment for removal, storage and delivery shall be considered incidental to various guardrail and regulatory and warning sign pay items.

20. The location of guardrails shown on this plans are approximate. The exact locations shall be determined in the field by the Engineer.
21. Street survey monuments shown on plans shall be verified in the field prior to any resurfacing activity. Monuments that are shown on plans but are missing in the field shall be re-established and re-installed by the Contractor. Payment for this work shall be made under Item No. 613.0300, Adjusting Centerline Survey Monuments.
22. Street survey monuments shall not be disturbed during cold planing and/or pavement reconstruction. Adjustments of these monuments shall be in accordance with applicable details as shown on the Standard Plans.
23. Sign posts shall be square tube posts.
24. Existing striping and markings must be referenced by the Contractor for future use. Installation of pavement markings shall not commence until the layout is approved by the Engineer.
25. The Contractor shall provide for access to and from all existing side roads, driveways and streets at all times.
26. For resurfacing of all dirt and gravel driveways, see A.C. Pavement Reconstruction Detail on sheet 5.
27. Resetting or adjusting of existing guardrail heights shall include adjustment of terminal sections including foundation, etc. to required height.

DEPARTMENT OF HAWAIIAN HOMES LANDS WATER NOTES:

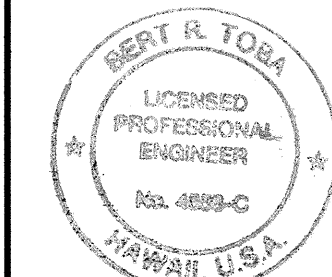
1. Unless otherwise specified all materials and construction of the water system facilities and appurtenances shall be in accordance with the latest revision of the Counties "Water System Standards" & "Approved Materials List and Standard Detail for Water System Construction" 1985, as it applies to the County of Maui. Contractor shall obtain a copy prior to construction.
2. Existing underground utilities and structures as shown on the plans are from the latest available data but are not guaranteed as to the location shown or that other obstacles may not be encountered in the course of the work. The contractor shall not assume that where no utilities are shown that none exist.
3. The contractor shall be responsible for and pay for any damage to and for the maintenance and protection of existing utilities whether or not they are shown on the plans.
4. The contractor shall be responsible for the cleaning and removal of all silt and debris generated, deposited and accumulated within downstream waterways, ditches, drain pipes and on public roadways. The contractor shall observe and comply with all Federal, State and Local laws required for the protection of public health and safety and environmental quality.
5. The contractor at his expense, shall keep the project and surrounding areas free from dust nuisance and shall take supplementary measures as necessary.
6. The contractor shall verify with DHHL (Molokai District Office) existing water lines and appurtenances prior to the start of work.
7. Minimum cover over water main, 6" diameter or larger, shall be 3'-0" minimum cover for 4" diameter shall be 2'-6". Minimum cover diameter less than 4" shall be 1'-6".
8. The maximum distance between valve nut and top manhole cover shall be three (3) feet. The minimum distance shall be six (6) inches.
9. Existing water manholes, valves, meter boxes, etc. shown on the plans were compiled from the latest available data. Any such item encountered and disturbed during construction, whether or not shown on the plans, shall be adjusted to match finish grades. All items damaged as a result of construction shall be restored to equal or better condition.

DRAINAGE NOTES:

1. The Contractor shall verify and check all dimensions and details on the drawings before proceeding with the work. Any discrepancy shall be brought to attention of the Engineer for clarification.
2. All existing utilities and improvements whether or not shown on plans shall be protected at all times by the Contractor unless specified otherwise. Any damages resulting from the Contractor's operations shall be immediately repaired or restored as directed by the Engineer at the Contractor's expense.
3. The Contractor at his own expense shall keep the project area and surrounding area free from rubbish noise, dust, erosion etc. The work shall be done in conformance with the air and water pollution control standards and regulations of the State Dept. of Health.
4. Culverts within the catch basin or grated drop inlets shall be cut flush with the inside face of the wall. Above work shall be considered incidental to the various contract items.
5. Demolishing of existing structure shall not be paid for separately, but shall be considered incidental to the various contract items, unless otherwise noted in the proposal.
6. Concrete shall be Class A unless otherwise noted.
7. Chamfer all exposed concrete edges 1".
8. Restoration of Pavement around GDI shall not be paid for separately but shall be considered incidental to the GDI.
9. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be incidental to the various contract items.
10. Contractor shall verify the locations of all culverts in the field. Any culvert damaged during construction shall be repaired or replaced by the Contractor at his expense.
11. Inlet and Outlet conditions shall be graded to permit free flow of run-off or as directed by the Engineer. Grading shall be to the satisfaction of the Engineer. Above work shall be considered incidental to the various contract items.
12. The Contractor shall provide bedding materials for culvert, Class "C" bedding. Payment of this work will not be paid for separately but will be considered incidental to the appropriate culvert pay items.
13. Reinforcing Steel for Concrete Structures will not be paid for separately but shall be considered incidental to various concrete pay items.
14. Locations and elevations of new structures must be laid out in the field for the Engineer's approval.
15. Furnishing and providing backfill materials for the extended drainlines and drainage structures will not be paid for but shall be considered incidental to the various contract items.

LEGEND

°pp	Existing Power Pole	—s-12—	Existing Sewer Line
°tp	Existing Telephone Pole	°smh	Existing Sewer Manhole
—w-12—	Existing 12" Water Line	°SMH	Adjusted Sewer MH Frame/Cover
—1-24—	Existing 24" Irrigation Line	°mon.	Existing Monument
°wmh	Existing Water Manhole	°MON.	Adjusted Monument
°WMH	Adjusted Water MH Frame/Cover	—d-24—	Existing 24" Drain Line
°av	Existing Water Air Valve	°sdmh	Existing Storm Drain Manhole
°AV	Adjusted Water Air Valve MH Frame/Cover	°SDMH	Adjusted Storm Drain MH Frame/Cover
°wv	Existing Water Valve Box	gdi	Existing Grated Drop Inlet
°WV	Adjusted Water Valve Box	CB	Existing Catch Basin
°wm	Existing Water Meter	p	Existing Traffic Sign
°WM	Adjusted Water Meter	h	Existing Highway Lighting Standard
°fh	Existing Fire Hydrant	—g-12—	Existing Metal Guardrail
R/W	Right of Way	—s-12—	New Single Metal Guardrail
XXXX	Reconstruction Areas	—x-12—	Existing Fence
////	Leveling Areas		
	Cold Planing Areas		
—	Resurfacing Limits		



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	3	43

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES AND LEGEND**

**PUUPEELUA AVENUE RESURFACING**  
**Maunaloa Highway to Farrington Avenue**  
**And**  
**FARRINGTON AVENUE RESURFACING**  
**Puupeeelua Avenue to Kalae Highway**  
**Federal - Aid Project No. STP - 0480(2)**

Scale: None Date: March 1998

SHEET No. 1 OF 1 SHEETS