

GENERAL NOTES

1. Improvements consist of leveling and resurfacing existing pavement, reconstructing weakened pavement sections, adjusting and reconstructing reference survey monuments, adjusting valve boxes and manholes, replacing and installing signs and reflector markers, installing pavement striping, markings and raised pavement markers, adjusting guardrail posts and replacing guardrail end treatments, paving under and behind guardrails, and removing trees.
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: Subsections 104.II, Availability of Funds, regarding reducing the scope of work to match available funds, Subsection 107.I3 - 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. All work within the travelway or shoulder must be completed within the work day to permit free and safe passage of the public.
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 the 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 and cold planed shall be determined in the field by the Engineer.
7. Asphalt Concrete for leveling shall be paid for under Item No. 401.0500 Asphalt Concrete Pavement, Mix No V.
8. 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 Item No. 401.0500.
9. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
10. Existing Preformed Pavement Marking Tape shall be removed prior to resurfacing. Removal shall be by scraping, grinding or other method approved by the Engineer. Payment shall be incidental to Item No. 401.0400-Asphalt Concrete Pavement, Mix No. IV .
11. 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 Item No. 401.0400-Asphalt Concrete Pavement, Mix No. IV.
12. 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 and/or as directed by the Engineer.
13. Existing drainage system will be functional at all times during construction. 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.

14. Contractor shall provide for safe access to and from all existing side streets at all times.
15. All saw cutting work shall be considered incidental to Item No. 401.0400 Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
16. Unprotected pavement drop-offs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
17. Cold-planing of 50' transitions at the begin and end project limits shall be considered incidental to Item No. 401.0400 Asphalt Concrete Pavement, Mix No. IV.
18. Initial preparation of shoulder areas shall be done by the Contractor. Shoulder preparation shall consist of poisoning, clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material as shown on the plans and/or as directed by the Engineer. The Contractor shall also be responsible for finish rolling and maintaining the shoulders until project completion. This work shall be considered incidental to Item No. 401.0400-Asphalt Concrete Pavement, Mix No. IV.
19. Public Notice is required for lane closures. The Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with dates left blank, is permissible.
20. The Contractor shall mark the back of all signs using labels and equipment provided by the State. Payment shall be incidental to the various signage items.
21. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet away from the edge of construction, the Contractor shall retain a licensed Land Surveyor to reference the location of said Survey Monument.
22. 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 replaced Benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval before commencement of construction.
23. Construction as-builts and ROW maps can be referenced at SDOT-H Hilo Office (50 Makaala Street contact Robert Taira at 933-8866).

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11BC-01-01M	2001	3	68

DEPARTMENT OF WATER SUPPLY NOTES

1. All work shall conform to the Department of Water Supply's (DWS), "Water System Standards", Volumes I and II, dated 1985, as amended.
2. The Contractor's attention is called to DWS Standard Details 101, 13, and 22 which require concrete slabs for valve frames and boxes.
3. All existing waterlines, waterline appurtenances, and other utilities shown on the plans reflect the most recent information made available to this Department. The Contractor shall be responsible for verification of the exact locations of all existing utilities in the field whether shown on the plans or not. The Contractor shall bear all cost for damages done unto the affected utilities.
4. Contractor shall adjust all manhole frames/valve boxes within the resurfaced area prior to resurfacing to match the new finish road grade surface. The Contractor shall be responsible for "referencing" these manholes/valve boxes to facilitate the adjustments. Adjustment of existing utility covers shall be considered incidental to the various contract items.

LEGEND

	Excavation for outcropping at guardrail		Existing Fire Hydrant
	Special Reconstruction Areas		Existing Monument
	Reconstruction Areas		Adjusted Monument
	Cold Planing Areas		Existing 24" Drain Line
	Resurfacing Limits		Existing Traffic Sign With 1 Post
	Rumble Strip		Existing Traffic Sign With 2 Posts
	Existing Rumble Strip		Existing Traffic Sign With 3 Posts
	Existing edge of pavement		Existing Highway Lighting
	Existing edge of shoulder		Existing Metal Guardrail
	New edge of pavement		New Metal Guardrail
	New edge of shoulder		Existing Fence
	Existing Joint Pole		Right-of-Way Line
	Existing Power Pole		
	Existing Telephone Pole		
	Existing Water Line		
	Existing Water Manhole		
	Adjusted Water MH Frame/Cover		
	Existing Water Air Valve		
	Adjusted Water Air Valve		
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	Existing Water Meter		
	Adjusted Water Meter		



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Masahiro Nishida
DATE: March 29, 2001

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND
LEGENDS

HAWAII BELT ROAD RESURFACING
HONOKUA TO PAHOEHOE
PROJECT NO. 11BC-01-01M

Scale: None Date: March, 2001

SHEET No. 1 OF 1 SHEETS