

GENERAL NOTES

1. Improvements consist of leveling and overlaying existing pavement with new asphalt concrete pavement; reconstructing weakened pavement and shoulder areas; widen shoulders at various locations; paving work for driveway connections; reconstructing reference survey monuments; installing metal guardrails; installing new signs and reflector markers; installing pavement striping and raised pavement markers.
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 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 Subsection 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 pedestrians, bicyclists and 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 the accuracy of which 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, reconstructed 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. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
9. Preformed Pavement Marking Tape shall be removed prior to resurfacing. Removal shall be by scraping, grinding or other methods approved by the Engineer. Payment shall be incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.
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 Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.
11. Smooth riding connections shall be constructed at all limits of pavement reconstruction and 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.
12. Dressing of shoulders shall consist of 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. This work shall be considered incidental to the various contract items.

13. Existing drainage system will be functional at all times during construction. Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. Drainage problems due to construction activity shall be corrected immediately by the Contractor at no cost to the State. This drainage system work shall be considered incidental to the various contract items.
- Contractor shall provide for safe access to and from existing side streets for pedestrians, bicyclists, and motorists at all times.
- 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.
- Initial preparation of shoulder areas shall be done by the Contractor. Contractor shall also be responsible for finish rolling and maintaining the shoulders thereafter. This work shall be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.
- Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
- Provide 24" wide longitudinal feathered taper for smooth riding lanes during non-working hours. Feathered longitudinal tapers shall not exceed 0.50 miles in length. Feathered tapers shall be removed prior to the placing of the final overlay. Feathered tapers shall not be measured for payment and will be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.
- Public Notice is required for lane closures. 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.
- Cold-planing of 100-ft. transitions at project limits shall be considered incidental to Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.
- Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.
- Suitable excavated materials, as determined by the Engineer, not used for fill or shoulder dressing purposes will be considered the property of the State and stockpiled at a location designated by Engineer.
- All work specified in the contract, but not listed separately in the proposal schedule, shall be considered incidental to other various contract items and shall not be paid for separately.

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-I(34)	2004	3	68

COUNTY DEPARTMENT OF WATER SUPPLY NOTES

1. All Work shall conform to the Department of Water Supply's (DWS) "Water System Standards" dated 2002, as amended.
2. Contractor's attention is called to DWS Standard Details MH18, MH19, VI, VI4 and FH3 which require concrete slabs for valve and boxes, valve manholes, and fire hydrants.
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 damage to affected utilities.
4. All solder and flux shall contain not more than 0.2 percent lead.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
DATE	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>GENERAL NOTES</b>	
<b>KAWAIHAE ROAD RESURFACING GUARDRAIL AND SHOULDER IMPROVEMENTS</b>	
<b>F.A. PROJ. NO. NH-019-I(34)</b>	
Scale: None	Date: June, 2003
SHEET No. 1 OF 1 SHEETS	