

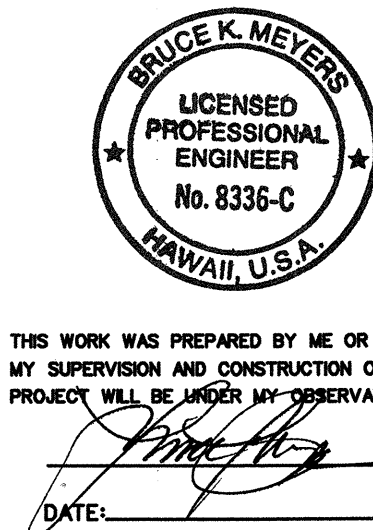
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	2000E-01-00	2000	4	60

GENERAL NOTES

- The project consists of widening an existing divided highway, installing new traffic signal systems, drainage structures, new signs and reflector markers, pavement striping, markings, and markers, replacing and installing new guardrail, constructing new curb, gutter, sidewalk and bicycle lanes, extending existing drainage culverts, relocating existing drainage structures and drainage improvements, installing and maintaining landscaping, and constructing retaining walls.
- In the Plans, the initials:
I.B.L. refers to "Inbound Lanes" and
O.B.L. refers to "Outbound Lanes" on Route 11, Kanoelehua Avenue.
- I.B.L. and O.B.L. baseline stations are not the same. Work on or adjacent to inbound lanes are referenced to I.B.L. stations and work on or adjacent to outbound lanes are referenced to O.B.L. stations, unless otherwise noted. I.B.L. and O.B.L. stations shown on the plans were referenced from the "Plans for Kanoelehua Avenue Resurfacing, Kea'a'u to Kamehameha Avenue," Federal Aid Project No. NH-011-2 (33).
- 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 107.13 - Public Convenience and Safety, Subsection 107.21 - Contractor's Responsibility for Utility Property and Services, and Section 645 - Traffic Control.
- 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.
- The Contractor shall notify the State in writing, two (2) weeks prior to starting construction operations.
- 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 along the existing Kanoelehua Avenue, Route 11, and Puainako Street, Route 2000.
- 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, unless otherwise provided for in the contract.
- 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.
- All pavement saw cutting work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately. Saw cutting limits to be determined in the field by the Engineer.
- Smooth riding connections shall be constructed with asphalt concrete, Mix No. IV, at the end of each day's paving. Cold-planing of 50-ft. transitions at project limits, identified intersections, and exception areas shall be considered incidental to Item No. 401.0400-Asphalt Concrete Pavement Mix No. IV.
- Provide 2' wide feathered taper for smooth riding lanes during non-working hours. Feathered tapers shall not exceed 0.75 miles in length at non-intersection areas. Feathered tapers shall be removed prior to the placing of the final overlay. Payment of feathered tapers shall not be measured and will be considered incidental to A.C. 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.
- 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.
- Dressing of shoulder 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.
- Finish grade of the shoulder area to be paved shall be per Section 304 (B). Unless otherwise provided for in the contract, such work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV.
- Contractor shall provide for access to and from all existing side streets and driveways at all times.
- No construction shall be allowed on the day after Thanksgiving, for the period consisting of ten (10) working days prior to Christmas, and for the period between Christmas and New Years, including those holidays.
- The Contractor shall maintain a minimum of 2 lanes for thru traffic movement at all times during non-peak hours on the existing Kanoelehua Avenue, Route 11. During peak hours, all lanes shall remain open.
- Public Notice is required for lane closures. Contractor shall submit notice to the Engineer for approval a minimum of six weeks prior to publication. Pre-approval of notice, with dates left blank, is permissible.
- Work on the right side and median of O.B.L. between stations 1344+00 to 1351+50 shall not occur concurrently. Contractor shall submit Traffic Control Plans for each phase of detour work to the Engineer for approval prior to starting work.
- Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.
- Contractor's attention is called to new highway policies regarding guardrail end treatments. Hardware requirements may change as the policy is revised prior to ordering materials, the Contractor shall submit a list of all guardrail end treatment hardware to the Engineer for review and approval. Changes shall be handled on a contract change order basis.
- All new cut and fill slopes beyond the edge of shoulder or sidewalk shall be hydro-mulched, over 6" of planting soil.
- Contractor shall remove and stockpile planting soil from within the Right-of-Way for use in the median strip planting & hydro-mulched areas. See Special Provision Section 617-Planting Soil.

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	

9905014PUBA01100N



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES AND LEGEND	
PUAINAKO STREET IMPROVEMENTS, PHASE 1 Kilauea Ave. to Kanoelehua Ave.	
Project No. 2000E-01-00	
Scale: N/A	Date: May, 2000
SHEET No. 1 OF 2 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	2000E-01-00	2000	5	60

GRADING NOTES

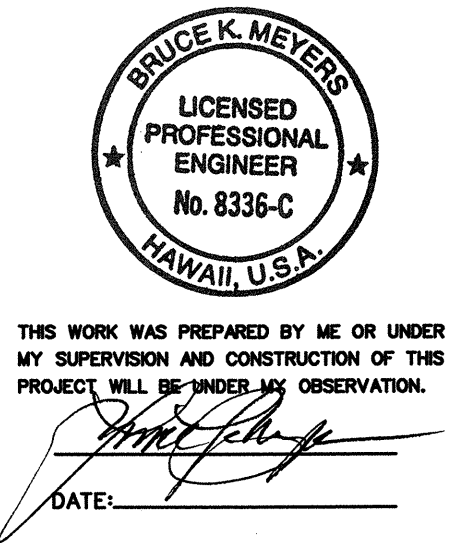
- All grading work shall conform to Chapter 10 of the Hawaii County Code. Should a grading permit be required, no work shall commence until the Department of Public Works approves a grading permit.
- The Contractor shall remove all silt and debris deposited in drainage facilities, roadways and other areas resulting from his work. The costs incurred for any necessary remedial action by the DPW shall be payable by the Contractor.
- The Contractor, at his own expense, shall keep the project and surrounding areas free from dust nuisances. The work shall be in conformance with the Air Pollution Control rules of the State Department of Health, HAR 11-60.1 ,Fugitive Dust.
- All grading operations shall be performed in conformance with the applicable provisions of the Hawaii Administrative Rules, Title 11, Chapter 55, Water Pollution Control and Chapter 54, Water Quality Standards, and to the Erosion and Sedimentation Control Standards and Guidelines of the Department of Public Works, County of Hawaii.
- The Contractor shall sod or plant all slopes and exposed areas immediately after the grading work has been completed.
- Fills on slopes steeper than 5:1 shall be keyed.
- The Contractor shall inform the DPW of the location of the disposal and/or borrow site(s) required for this project when an application for a grading permit is made. The disposal and/or borrow site(s) must also fulfill the requirements of the grading ordinance.
- No grading work shall be done on Saturdays, Sundays, and holidays anytime without prior approval from the Department of Public Works. Grading work on normal working days shall be between the hours of 8:00 a.m. to 4:30 p.m.
- The Contractor shall remove all vegetation before placing fills on natural ground surface.

LEGEND

	Leveling Areas
	Reconstruction Areas
	Cold Planing Areas
	Existing Power Pole
	Existing Guy Pole
	Existing Light Pole
	Existing Traffic Light
	Existing Traffic Light Box
	Existing Electric Box
	Existing Telephone Pole
	Existing Water Valve Box
	Adjusted Water Valve Box
	Existing Water Meter
	Adjusted Water Meter
	Existing Fire Hydrant
	Existing Monument
	Adjusted Monument
	Existing 24" Drain Line
	Existing 36" Drain Line
	New 24 " RCP Drain Line
	New 36" RCP Drain Line
	Existing Storm Drain Manhole
	Adjusted Storm Drain MH Frame/Cover
	New Storm Drain Manhole
	Existing Grated Drop Inlet
	Existing Drop Inlet
	Existing Grated Drop Curb Inlet
	Existing Catch Basin
	Existing Drywell
	New Type 1 Grated Drop Inlet
	New Type 2 Grated Drop Inlet
	New Type 61614B Grated Drop Inlet
	New Type A Storm Drain Manhole
	Grouted Rubble Paving
	Existing Traffic Sign With 1 Post
	Existing Traffic Sign With 2 Posts
	Existing Traffic Sign With 3 Posts
	Existing Single Metal Guardrail
	New Single Metal Guardrail
	Existing Fence

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING NOTES & LEGEND

PUAINAKO STREET IMPROVEMENTS, PHASE 1
Kilauea Ave. to Kamehameha Ave.
Project No. 2000E-01-00

Scale: N/A Date: May, 2000

SHEET No. 2 OF 2 SHEETS