

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-02-93	1994	3	15

- The scope of work for this project consists of removal of existing shrubs, trees, concrete sidewalk and A.C. pavement; relocation of existing utility facilities and signs; construction of new concrete sidewalks, curbs, gutters, and A.C. pavement; installation of traffic signal system and appurtenances, and pavement markings.
- The Contractor is reminded of the requirements of Sub-section 107.13 -Public Convenience and Safety, regarding opening lanes to traffic and assessment of liquidated damages for non-compliance, as specified under Sub-section 108.08 of the Special Provisions; Section 645-Traffic Control and; Sub-section 107.21-Contractor's Responsibility for Utility Property and Service of the Special Provisions.
- All lanes shall be open to traffic during peak hours from 6:30 A.M. to 8:30 A.M., during afternoon peak hours from 3:30 P.M. to 5:30 P.M., and during off work hours. Only one lane of highway shall be closed at any other time. 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.
- 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.
- 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.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be considered incidental to the various contract items.
- The Contractor shall provide for access to and from all existing driveways and streets at all times.
- Smooth riding connections shall be constructed at limits of new pavement construction, including connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
- All saw cutting work shall be considered incidental to Roadway Excavation.

- All construction work shall be done in accordance with these plans, all applicable sections of the Standard Specifications for Road and Bridge Construction dated 1985 as amended, of the State Highways Division, Dept. of Transportation and the project's Special Provisions, unless otherwise specified.
- The Contractor shall provide, install and maintain all necessary signs, lights, flares, temporary concrete guardrails, barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Rules and Regulations Governing the Use of Traffic Control Devices at Work Sites on or Adjacent Public Streets and Highways" adopted by the Highway Safety Coordinator and the U.S. Federal Highway Administration's "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI-Traffic Controls for Highway Construction and Maintenance Operations," dated 1978 & Revisions No. 4, dated March 1986.
- Full compensation for all additional materials and labor, not specifically shown or called for, which are necessary to complete the construction of the project shall be considered incidental to the various contract items in the proposal and no additional compensation will be allowed therefor.
- The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The costs incurred for any necessary remedial action by the Engineer shall be payable by the Contractor.
- The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Dept. of Health.
- Removal of existing signs shall also include the removal of posts & foundations. All removed signs shall become the property of the State. The Contractor shall deliver the removed signs to the State baseyard in Kapaa. All costs for removal and delivery of signs shall be incidental to other items of work in the proposal.
- 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 cost, less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.

LEGEND

- °wgv Existing Water Valve
- _{wmh} Existing Water Manhole
- °fh Existing Fire Hydrant
- °smh Existing Sewer Manhole
- _{cb} Existing Catch Basin
- _{gdi} Existing Grated Drain Inlet
- _{tmh} Existing Telephone Manhole
- °e/p Existing Utility Pole
- * Remove existing trees
- ✕ Remove existing bushes
- ⊙ Relocate existing utilities, signs, etc. (to be done by others)
- _{FH} Relocated Fire Hydrant
- ▨ A.C. Pavement Reconstruction
- ⊖ Existing Water Meters
- E/P● Relocated Electrical Pole

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

KUHIO HIGHWAY TRAFFIC SIGNAL
AT POINCIANA STREET
Project No. 56A-02-93

Date: September, 1993

SHEET No. 1 OF 2 SHEETS

CONSTRUCTION NOTES FOR WORK WITHIN COUNTY RIGHT -OF-WAY

1. All construction shall be performed in accordance with the County of Kauai, Department of Public Works Standard Details for Public Works Construction, September 1984, and Standard Specifications for Public works Construction, September 1986, unless otherwise noted within these plans.
2. When conducting trenching operations across Poinciana St., the Contractor shall at all times keep a minimum of one lane open to traffic. The Contractor shall provide flagmen to properly direct the traffic flow.
3. The Contractor shall provide and install all signs, lights, flares, barricades, markers, cones and other protective measures, and take all necessary precautions for the protection, convenience and safety of public traffic. All protective measures and precautions shall conform to the Manual on Uniform Traffic Control Devices for Streets and Highways, Federal Highway Administration, 1988, and as amended.
4. The Contractor shall restore and repair all damaged shoulder and pavement caused by his operations to its original condition.
5. Repair of damaged pavement and shoulders shall be inspected and approved by the Department of Public Works. All unapproved work shall be considered unacceptable and shall be reworked and corrected as directed by the Department of Public Works.
6. A permit shall be obtained from the Department of Public Works, County of Kauai, before work on any portion of a public street or highway may begin.
7. Work on any public street area may be performed only between the hours of 8:30 a.m. to 3:30 p.m., Monday though Friday, unless otherwise permitted by the Department of Public Works, County of Kauai.
8. During working hours, the Contractor shall provide one lane for local traffic. During non-working hours, all trenches shall be covered with a safe, non-skid bridging material.
9. Driveways shall be kept open unless owners of the property using these rights-of-way are otherwise provided for satisfactorily.
10. The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The costs incurred for any necessary remedial action by the Chief Engineer shall be payable by the Contractor.
11. The Contractor, at his own expense, shall provide effective measures for the control of fugitive dust emissions from the project and surrounding areas caused by his operations. These measures shall meet the requirements of State Administrative Rules, Department of Health, Air Pollution Control(11-60).
12. All grading operations shall be performed in conformance with the applicable provisions of the grading ordinance to prevent violation of the State Administrative Rules, Department of Health, Water Pollution Control and Quality Standards (11-54, 11-55) due to erosion and run off to State Waters.
13. All slopes and exposed areas shall be sodded or planted immediately after the grading work has been completed.
14. Grub material, demolition wastes, and construction wastes shall be disposed of at an authorized site having Department of Health Solid Waste Management Permit. Open burning is prohibited. The Contractor shall inform the County Engineer of the location of the disposal sites. The disposal site must also fulfill the requirements of the grading ordinance.

15. No material and/or equipment shall be stockpiled or otherwise stored within County rights-of-way except at locations designated in writing and approved by the Engineer.

NOTES FOR WATER WORKS CONSTRUCTION

1. The Water system Standards, 1985, Vol. I and the Approved Material List and Standart Details for Water System Construction, 1985, Vol. II of the Department of Water, County of Kauai, are referred to and hereby made a part of this Contract, and shall apply in all cases unless otherwise called for in the plans, proposal, or special Provisions.
2. Water meter relocation/installation shall be in accordance with Dept. of Water Std. Detail No. 73. Contractor shall reconnect sonsumer's plumbing to new service connection. The Department of Water will relocate the water meter only.
3. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the "Water System Standards", Vol. I and Vol. II, 1985 as adopted by the Department of Water, County of Kauai; Department of Water Supply, County of Maui; Board of Water Supply, City and County of Honollulu; and Department of Water Supply, County of Hawaii, and all subsequent amendments and additions for use in the design and construction of the department's water system facilities.
4. The Contractor shall notify Department of Water Supply, County of Kauai, in writing one week prior to commencing work on the main.
5. Unless specified, connections to existing water main, cleaning, and chlorination of new mains shall be done by the contractor, with the Department of Water inspector coordinating the work. Disinfection of the water line shall be done in conformance with "Standard Specifications for Water Works Construction"
6. The Contractor shall verfy in the field the location of the existing water mains and appurtenances. The Contractor shall expose the existing water main prior to trenching. Excavation around existing water mains shall be done by hand.
7. The Contractor shall, whenever necessary, properly sheet and brace all excavations to render it secure and shall remove all such sheeting and bracing before completions of the backfill. For all water mains, the minimum cover requirement (from top of pipe to finished grade over pipe) is 3 feet.
8. Plastic pipes shall be PVC 1120, or PVC SDR21, Class 200PR with NSF seal of approval. Plastic pipes 1½" & smaller may be of the solvent-welded type. All solvent-welded joints shall be made doublecheck using "color-guard" fittings as manufactured by the R & G Sloane Manufacturing Co., Inc. or approved equal.

NOTES FOR WATER WORKS CONSTRUCTION (continued)

9. Payment for cleaning all installed pipelines shall not be measured nor paid for directly, but shall be considered incidental to the project.
10. Trench excavation, backfilling in lifts, and repaving, shall conform to the "Standard Specifications for Public Works Construction" dated September 1986.
11. The Contractor shall submit the name of its authorized superintendent on the job.
12. The Contractor shall arrange a pre-construction conference at least 10 days before construction and shall notify the Department at least (3) working days prior to start of construction. The Contractor shall submit an itemized bid tab of the water facilities to the Dept. at the meeting.
13. The Contractor shall notify the Department of Water Supply, County of Kauai, at least 24 hours prior to any pipe laying, backfilling, testing, or chlorination, to insure that inspectional services will be available.
14. All nuts and bolts for use with flanged joints shall be hot-dipped, galvanized.
15. In order to prevent unapproved materials from being ordered, the Contractor is invited to submit his materials list description to the Dept. of Water for cross-check before ordering any material from the supplier.
16. Prior to connection of any pipeline installed under this job to the existing main, the pipeline installed shall be thoroughly cleaned, flushed and chlorinated.
17. Cleaning shall be by use of "pigs" introduced into the pipeline and run completely through all installed pipelines excluding branch lines for fire hydrants and service laterals. "Pigs" shall consist of a cylindrical piece of polyurethane foam with density range of 1.25 to 1.45 pounds per cubic foot with a diameter 2" larger than the pipe to be cleaned and 18" long.
18. All damaged pavement shall be restored to its original condition in accordance with the County of Kauai's "Standard Specifications for Roads and Bridges (1975) with a minimum 2" A.C. and 4" base course.
19. All material (pipe, pipe lubricants, paints, sealants, from oil, concrete admixtures, etc.) in direct contact with the potable water shall obtain National Sanitation Foundation (NSF) approvals. The Contractor shall submit these approvals to the Department Water for review and approval prior to its application.

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HAWAII	HAW.	56A-02-93	1994	4	15

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

KUHIO HIGHWAY TRAFFIC SIGNAL
AT POINCIANA STREET
Project No. 56A-02-93

Scale: NoneDate: Dec. 1993