

GENERAL NOTES

1. The scope of work for this project consists of roadway widening; constructing reinforced concrete sidewalks and retaining walls; installing street lighting, fence, signs, pavement markings, wheel-chair ramps and pedestrian crossings; reconstructing one (1) traffic island and one (1) traffic median; relocating drainage and sprinkler facilities; removing and installing guardrails.
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. 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.
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 work is possible. The Contractor shall tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc., may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. 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 Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. #848-4571) seven (7) days prior to start of his construction work and one month prior to start of Construction Phase II for relocation of existing Bus Stop on Ulune Extension. This work shall be considered incidental to the various contract items.
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
8. The Contractor shall obtain a Community Noise permit from the State Department of Health, Noise and Radiation Branch, 591 Ala Moana Blvd., Room 136, Honolulu, HI 96813-2498; Telephone No. 586-4700. This shall be considered incidental to the various contract items.
9. Smooth connections shall be constructed to existing sidewalks.
10. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches & side streets as shown on the plans and/or as directed by the Engineer.
11. Dressing of shoulder & sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting with suitable material the area adjacent to the improvement as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
12. Existing drainage system will 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.

13. The Contractor shall provide for access to and from all existing side streets at all times.
14. All saw cutting work shall be considered incidental to Roadway Excavation.
15. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items and will not be paid for separately.
16. Exact locations of fence posts shall be determined in the field by the Engineer.
17. Prior to the placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%. The thickness of the existing subbase shall be greater than or equal to 6".
18. The top of the Plant Mix Glassphalt Concrete Base Course prior to placement of the new A.C. Pavement, Mix No. IV shall comply with the ten foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16".

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES NOTES

1. The Contractor shall inspect the erosion and sediment control measures at least once a week or after 0.5 inches of rainfall.
2. The Contractor shall maintain the erosion and sediment control measures according to the contract. If a repair is necessary, the Contractor shall initiate the repairs within twenty-four (24) hours after the inspection such as:
- a. When sediment build-up reaches one-third (1/3) the height of the silt fence, the Contractor shall remove and dispose of the sediment build-up from the silt fence.
- b. When the depth of the sediment basin reaches ten percent (10%) of the design capacity, the Contractor shall remove and dispose of the sediment build-up.
- c. When tears are found on the silt fence, the Contractor shall replace the fabric.
- d. The Contractor shall check to see if the fabric is securely attached to the fence posts and to see that the fence posts are firmly in the ground.
- e. The Contractor shall inspect the diversion dike and repair the breaches.
- f. The Contractor shall inspect temporary and permanent seeding and planting for bare spots, washouts, and healthy growth.
3. The Contractor shall have its personnel make a maintenance inspection report promptly after each inspection. The Contractor shall select a minimum of three (3) personnel who will be responsible for inspection, maintenance, repair activities, and filling out the inspection and maintenance report. Personnel selected for the inspection and maintenance responsibilities will receive training from the Contractor. The Contractor shall train these personnel in the inspection and maintenance practices necessary for keeping the erosion and sediment control used on site according to the contract.

PUBLIC WORKS NOTES

- Road, Bridge and 1994
1. All construction work shall be done in accordance with the Standard Specifications for Public Works Construction, September 1986, and Standard Details for Public Works Construction, September 1984, as amended, of the Department of Public Works, City and County of Honolulu and the Counties of Kauai, Maui, and Hawaii. Plans, 1986.
2. The underground pipes, cables or ductlines known to exist by the engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
3. No contractor shall perform any construction activity so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the costs incurred for any remedial action by the Chief Engineer shall be payable by the Contractor.
4. The Contractor shall be responsible for conformance with the applicable provisions of Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, of Title 11, Administrative Rules of the State Department of Health.
5. The Contractor shall notify the Construction Section, Division of Engineering, Department of Public Works at 527-6311 to arrange for inspectional services and submit three (3) sets of approved Construction Plans seven (7) days prior to commencement of construction work.

LEGEND

—e— Existing Electrical Line	----d---- Existing Drain Line
°pp Existing Power Pole	----ud---- Existing Underdrain Line
°emh Existing Electric Manhole	°admh Existing Storm Drain Manhole
□eab Existing Electric ?	□di Existing Drop Intake
—t— Existing Telephone Line	□cb Existing Catch Basin
°ip Existing Telephone Pole	----ts---- Existing Traffic Signal Line
°tmh Existing Telephone Manhole	°tsp Existing Traffic Signal Pole
°thh Existing Telephone Handhole	□tspb Existing Traffic Signal Pullbox
—ht-ip— Existing Hawaiian Telephone Co. Transpac Land Cable	□vd Existing Loop Detectors
—w-12— Existing 12" Water Line	°thh Existing Telephone Handhole
—g-8— Existing 8" Gas Line	--w-12-- Existing 12" Water Line
°gv Existing Gas Valve Box	b Existing Traffic Sign
—NAVg(av.)— Existing Navy Aviation Gas Line	⊙ Existing Highway Lighting Standard
⊙mon Existing Monument	□lspb Existing Highway Lighting Standard Pullbox

LEGEND FOR AS-BUILT POSTINGS

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==00==	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**GENERAL NOTES & LEGEND**  
ULUNE STREET IMPROVEMENTS  
Halawa Hts. Rd. to Halawa Valley Rd.  
And  
HALAWA VALLEY RD. IMPROVEMENTS  
Ulune St. to Iwaiwa St.  
Fed. Aid Project No. STP-0300(39)  
Date: May, 1996  
SHEET No. 1 OF 1 SHEETS