

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56D-01-13M	2013	ADD.2	12

GENERAL NOTES

- SURVEY PLOTTED BY

DATE

DRAWN BY

DATE

TRACED BY

DATE

NOTED BY

DATE

QUANTITIES BY

DATE

CHECKED BY

DATE

ORIGINAL PLAN

NOTE BOOK

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1. The scope of work for this project consists of the removal of invasive trees, planting of native trees, and three years of tree sapling removals and herbicide treatment.

2. The following scope of work should be performed as night work except during no night work periods or deemed unsafe by the contractor and approved by the engineer: movement of tree logs, branches, debris and other parts from the roadside slope to Kuhio Highway, loading onto trucks.

3. No night work from September 15th to December 15th.

4. Contractor shall make every attempt to limit lane closures during the daytime. No lane closures from December 15th to January 5th.

5. The Contractor shall have a job-site inspector to whom immediate noise complaints can be forwarded for prompt response and who shall have the general responsibility of monitoring quiet work procedures.

6. The Contractor shall give sufficient notice regarding the project to any residents that may be impacted by the nighttime activity. The notification for the planned nighttime activity shall also contain the name and telephone number of the job-site inspector.

7. Engineer will consider arrangements made by the Contractor for alternative access to the state right of way through private property.

8. Remove and herbicide the cut stump of all Albizia Trees (Falcataria moluccana), African Tulip Trees (Spathodea campanulata), Octopus Trees (Schefflera actinophylla), Parasol Leaf Trees (Macaranga tanarius), and Bingabing Trees (Macaranga mappa) within the project limits. Protect Shoebuttan Ardisia (Ardisia elliptica) to remain.

9. Chipping or grinding of trees is allowed as noise permit allows. Felled logs and debris shall be disposed of outside the right of way. Road closures are required for the act of tree felling where there is a risk to road users. Cut stumps as close to ground as possible. Herbicide all tree stumps with Pathfinder II using the cut stump method.

10. Every six months after the last new tree is planted, remove and herbicide all Albizia Trees (Falcataria moluccana), African Tulip Trees (Spathodea campanulata), Octopus Trees (Schefflera actinophylla), Parasol Leaf Trees (Macaranga tanarius), and Bingabing Trees (Macaranga mappa) within the project limits. Perform these removals a total of 6 times. Additionally, the project limits shall expand to include the Kuhio Highway Emergency Slope Stabilization project after final acceptance from Sta. 35+00 to Sta. 44+00 for the purposes of removing the invasive trees listed above for 4 rounds of sapling removals (24 months).

11. Cover all exposed soils resulting from tree operations with jute mesh erosion control fabric installed per manufacturer's recommendations. Submit product information for approval by the Engineer.

12. Contractor shall halt the pruning or clearing of trees taller than 15 feet at the times of the year from June 1st to September 15th.

13. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work 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.

14. The Contractor's attention is directed to the following Sections: Section 107 - Legal Relations and Responsibility to Public; Section 108 - Prosecution and Progress; Section 201 - Clearing and Grubbing, Section 212 - Archeological inventory Survey and Section 645 - Work Zone Traffic Control and Section 671 - Protection of Seabirds.

15. 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.

16. 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.

17. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.

18. The Contractor shall obtain variances to a Community Noise permit secured by DOT 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 and will not be paid for separately.

19. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.

20. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to any culvert work or the various contract items and will not be paid for separately.

21. 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 bulk of work or the various contract items and will not be paid for separately.

22. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed in writing and approved by the Engineer. If use of location is approved by the engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the Kauai District Office at Telephone No. 241-3006.

23. Contractor shall coordinate construction activities with the Kauai Highways Emergency Slope Stabilization Project (Sta. 35+00 to Sta. 44+00). Coordination to include lane closures to maximize concurrent lane closures, access to staging area and other activities as determined by the Engineer.

24. Contractor shall complete the archeological inventory survey prior to construction.

25. Contractor shall use licensed surveyors to stake right-of-way boundaries. Use survey monuments, stake boundary corners and every 500 feet of boundary. Engineer will not pay separately for surveying and will consider the cost as included in the contract cost for various contract pay items.

LEGEND

- Phase 1

Phase 2

Phase 3

Resurfacing Limits

- e.p.

Existing Edge of Pavement
- e.s.

Existing Edge of Shoulder
- r/w

Existing Right-of-Way

Phasing

1. Work shall be phased in 3 phases

A. Phase 1 - Makai side only from Sta. 34+56.18 to Sta. 44+00

B. Phase 2 - Both sides of road from Sta. 44+00 to Sta. 67+00

C. Phase 3 - Both sides of road from Sta. 11+00 to Sta. 26+58
2. Each phase shall begin surveying and staking right-of-way boundary followed by the removal and herbicide of six (6) inch diameter or less trees followed by the removal of larger trees. After all trees are removed, identify bare soil areas and install erosion control and Indonesian Privet. Then install trees.

5/29/13 Plans to be included in bid set.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES AND LEGEND
KUHIO HIGHWAY
INVASIVE SPECIES MANAGEMENT
Kalihiwai Road to Kahili Holo Road
Project No. 56D-01-13M

Date: May, 2013

SHEET No. 1 OF 1 SHEETS

ADD.2