

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(46)	2002	3	89

GENERAL NOTES

1. The scope of work for this project includes design and construction to replace the existing drainage culvert crossing Kamehameha Highway near Kahuku Hospital, replace the existing Kii Bridge on Kamehameha Highway that spans Ohia Stream, and to remove an existing cane haul bridge adjacent to Kii Bridge. The Contractor shall demolish the Kii Bridge, culvert structure and the cane haul bridge structure, provide detour roads, relocate utilities, construct new structures, and perform other work including design, coordination, obtaining permits and approval to complete the project in conformance with appropriate federal state, and local standards.

2. 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.

3. 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.

4. 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 be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.

5. 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.

6. The Contractor shall provide for safe and accessible pedestrian passage and for free and safe vehicular access to and from all existing side streets and driveways at all times.

7. All saw cutting work shall be considered incidental to the various contract items.

8. The location of overhead and underground facilities shown on the plans are from existing records with varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.

9. The Contractor shall exercise extreme caution when the excavation and construction crosses or is in close proximity of underground telephone and signal cable facilities and shall maintain adequate clearance for his equipment while working close to and/or under overhead facilities. Any damages to the existing underground facilities shall be repaired and paid for by the Contractor.

10. For field location of Verizon Facilities, contact Verizon Outside Plant Engineering Section, a minimum of 72 hours in advance, prior to start of excavation.

11. Should field conditions and construction procedures require that utility poles be braced, the Contractor shall contact the following person for pole bracing instructions a minimum of 72 hours in advance of actual required bracing - Verizon - Calvin Choy - Area Construction Supervisor at 546-3381.

12. When trench excavation is adjacent to existing structures or facilities, the Contractor is responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it safe and secure from possible slides, cave-ins, and settlement, and facilities with beams, struts, or underpinning to fully protect it from damage. This work shall be considered incidental to various contract items.

13. The Contractor shall survey and stake out the State Highway right-of-way and install all appurtenances associated with the project within the State right-of-way or construction parcels as shown in the plans.

14. The term "Engineer for the Utility Companies" shall also mean his delegated Representative and/or the Utilities' Inspectors of Record.

15. The Contractor shall stake out all facilities for verification by the utility involved and/or affected.

16. The Contractor shall Give HECO forty (40) working days notice to proceed with it's portion of the work.

17. The Contractor will immediately report damages discovered or caused by his work to :

a. Verizon

611 (24 Hours)
483-8085 (M-F except Holidays)

b. HECO

548-7961

c. Oceanic

625-8437

18. The Contractor is to stake out all temporary and permanent new pole locations so as not to conflict with any existing or proposed utility and obstruct any roadway sign. The Contractor shall be responsible for cost incurred by conflicting utilities.

19. When excavating near utility poles, the Contractor shall protect, support, secure and take all other precautions to prevent damage to or leaning of these poles. The Contractor is responsible for all costs associated to repair and/or straighten pole.

20. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided at all times.

21. The Contractor shall notify Oahu Transit Services Inc. (OTS), Ed Sniffen at 848-4571, or Lowell Tom at 848-4578 two weeks prior to commencing any work. The Contractor shall inform OTS of the location and scope of work, proposed closure of any street of traffic lanes, and the need to relocate any bus stop.

22. HDOT acquired five permanent acquisition parcels and five construction parcels for the Project. HDOT is in the process of acquiring a sixth permanent acquisition parcel. The parcel acquisition process should be completed by the end of construction. All permanent improvements shall be constructed in the permanent acquisition parcels and all temporary improvements such as diversion roads and dewatering basins shall be constructed within the construction parcels or permanent acquisition parcels. The Contractor shall design the improvements such that no additional land taking will be required.

23. The Contractor is advised that in addition to other contractors working in the same areas, various utility companies (or their contractors) including Hawaiian Electric Company, Verizon Hawaii, Oceanic Cable, The Gas Company, and the City and County's Department of Wastewater Management may be performing work within the project area. The Contractor is to coordinate all work with other contractors in the area and to coordinate the design. In case of unreasonable conflict among contractors regarding access or work sites, the Engineer will make the final determination of priorities.

24. The Contractor shall assign an individual designated to monitor the presence of native waterbirds during the construction when vegetation in and around the ditch and stream are removed. Appropriate instructions will be provided by the U.S. Fish and Wildlife during the preconstruction conference.

25. In addition to any City and County projects, the Contractor shall coordinate the design and construction with the following proposed State projects:

A. Kamehameha Highway Intersection Improvements at Kuilima Drive, Project No. 83B-01-99 State Project Manager: Craig Watanabe , ph. #692-7551.

B. Kamehameha Highway Safety Improvements, Project No. 83CDE-01-99. State Project Manager: Sean Hiraoka, ph. #692-7581.

26. Offsite storm water shall not enter into construction areas inside or immediately adjacent to stream and ditch channels for demolition, foundation, and superstructure work.

27. The Contractor shall obtain approval of lane closure hours and traffic control plans for all City and County streets from the Honolulu City and County Department of Transportation Services.
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| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK | DRAWN BY | |
| | DESIGNED BY | |
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Exp. 04-30-10
- Wesley R. Segawa & Associates, Inc.
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES
\$ CONSTRUCTION NOTES
KAMEHAMEHA HIGHWAY DRAINAGE IMPROVEMENTS
Vicinity of Kahuku Hospital and Replacement of Kii Bridge
Federal Aid Project No. NH-083-1(46)
Date: April 2004
- SHEET No. 1 OF 2 SHEETS
- AS-BUILT
- 3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(46)	2002	4	89

GENERAL NOTES - CONTINUED

- DATE

DESIGNED BY

CHECKED BY

NO.

ORIGINAL PLAN

NOTE BOOK

SURVEY PLATTED BY

DRAWN BY

TRACED BY

DESIGNED BY

CHECKED BY

NO.

28.

The detour road shall be open to traffic at all times.

29.

The Contractor shall be responsible for the maintenance of the Detour Road during the length of the Contract.

30.

A temporary security fence equal to existing fences to protect the tenants from vandalism or theft shall be installed within five working days from any removal of existing fence sections. The temporary fence shall be installed 10 feet away from the detour road edge-of-pavement. At the completion of all work, the temporary fence will be removed and a permanent fence shall be installed along the original highway right-of-way and along the limits defined by the new State right-of-way Parcels. Final locations of the permanent fence shall be approved by HDOT. Permanent fence shall be 5 feet high in accordance with Standard Plan D-02.

31.

The stream will remain 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.

32.

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 Department of Health.

33.

The Contractor shall 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, and to the satisfaction of the Engineer.

34.

Removal and disposal of any debris shall be considered incidental to their respective bid items. 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.

35.

Prior to pavement operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade. This work shall be considered incidental to the various contract items.

36.

All holes, depressions and wheel ruts shall be filled and compacted with asphalt concrete prior to resurfacing. This work shall be considered incidental to various contract items and will not be paid for separately.

37.

Smooth riding connections shall be constructed at all limits of surfacing.

38.

Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil, and if necessary, additional materials from borrow outside the limits of the right of way. This work shall be considered incidental to various contract items.

39.

Adjustments of manhole valve box, street monument, frames and covers, etc., shall not be measured for payment but shall be considered incidental to various items of work in the proposal.

40.

After completion of paving, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the paved area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.

41.

The Contractor shall obtain a Permit to Perform Work Upon State Highway from the Oahu District, State Highways, at 727 Kakoi Street, prior to commencement of work within the State highway right-of-way.

42.

Construction and restoration of all existing highway facilities within State right-of-way shall be done in accordance with all applicable section of the 1994 Standard Specifications for Road, Bridge and Public Works Construction, and the Specifications for Installation of Miscellaneous Improvements within State Highways of the State Highway Division.

43.

Work may be performed only between the hours of 7:00 a.m. and 3:30 p.m., Monday through Friday, except holidays, unless otherwise permitted by the Engineer. Lane closures will be permitted only from 8:30 a.m. to 3:30 p.m.

44.

The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities, and shall take necessary precautions for the protection, convenience, and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways", adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI - Standards and Guides for Traffic Controls for Street and Highway Construction, Maintenance, Utility and Incident Management Operations" and NCHRP 350.

45.

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

46.

The Contractor shall be required to provide adequate , safe, non-skid bridging material over any trench, including shoring, when trenching in pavement areas to handle all types of vehicular traffic. The use of steel plates shall not be used in the freeway travelway.

47.

No trench shall be opened more than 200 feet in advance of the installed and tested pipe and/or ductline. No jumps or spaces will be permitted unless approved in writing by the Engineer.

48.

Longitudinal drainage along the highway shall be maintained, at all times to allow freeflow.

49.

All regulatory, guide and construction signs and barricades shall be high intensity selective sheeting.

50.

Stop work and contact the State Historic Site Office, at 587-0014 immediately should any unidentified archaeological site or remains (such as artifacts, shells, bones, charcoal deposits, road or coral alignments, pavings or walls) be encountered during construction.

51.

The Contractor shall inform the State Permit Office at 831-6712 at least five (5) working days prior to any lane closures or changes to lane closures.

52.

All signs, pavement markings, striping, etc. removed or damaged by the Contractor shall be replaced by the Contractor at no additional cost to the State.
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Exp. 04-30-10
Wesley R. Segawa
Wesley R. Segawa & Associates, Inc.
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

⌘ CONSTRUCTION NOTES

KAMEHAMEHA HIGHWAY DRAINAGE IMPROVEMENTS

Vicinity of Kahuku Hospital and Replacement of Kii Bridge

Federal Aid Project No. NH-083-1(46)

Date: April 2004

SHEET No. 2 OF 2 SHEETS
- AS-BUILT
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