

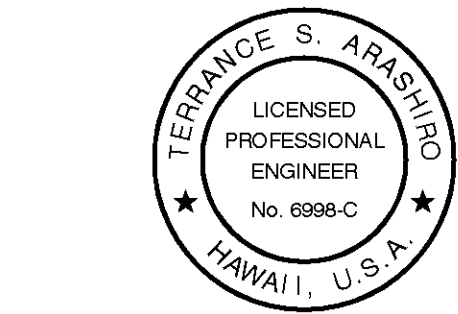
GENERAL NOTES

1. The scope of work for this project includes widening of Waimea Canyon Drive and restriping and widening of Kaumualii Highway at the intersection to provide auxiliary lanes for left turns, relocation of overhead utilities and drainage structures, new traffic signals, curb ramps, and pavement striping. The project also includes restriping at the intersection of Kaumualii Highway and Menehune Road/Halepule Road.
2. The Contractor shall perform all applicable construction work in accordance with the "Department of Transportation, Highways Division, Standard Plans", as amended and "Hawaii Standard Specifications for Road and Bridge Construction, 2005", as amended for the State of Hawaii.
3. The Contractor shall verify the location of all existing utilities, whether shown on the plans or not, and shall be responsible for the repair of replacement of the same in the event of damages due to his construction practices, at no cost to the State.
4. All dimensions and details shown on the drawings shall be checked and verified prior to the start of construction, and any discrepancies shall be immediately brought to the attention of the Engineer for clarification.
5. The Contractor's attention is directed to the following Sections: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; and Section 645 - Work Zone Traffic Control.
6. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, which requires him to perform work to not less than 30 percent of the total contract cost less deductible items. Non-compliance with the Subsection may be grounds for rejection of bid.
7. 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. All bridging shall be at a minimum meet or exceed being Traffic-Rated, meet or exceed the requirements of HL-93, and shall have and maintain an anti-skid surface.
8. 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.
9. Prior to beginning work on the project, the Contractor shall request toning of utilities from One Call Center, phone 811 or 1-866-423-7287.
10. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.
11. Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.

12. All new reference survey monuments shall be set under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and values of the new survey monuments shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
13. 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 and to the satisfaction of the Engineer.
14. Before works starts, clean all existing drainage manholes and culverts, which will be paid by force account under Contract Item 603.02 Clean Existing Culverts. Existing drainage system will be functional at all times during construction necessary to maintain flow after initial cleaning. 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.
15. Smooth riding connections shall be constructed at all limits of project or where work has occurred or both, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. Walkways and driveways shall comply with ADAAG and shall not have a difference in elevation between two adjoining surfaces of more than 0.25 inch. All of this work shall be considered incidental to asphalt concrete or other items of work and will not be paid for separately.
16. The Contractor shall clean and remove any accumulation of aggregates along the roadway 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.
17. Removal and disposal of existing asphalt concrete pavement, and any debris shall be considered incidental to their respective bid items.
18. All saw cutting work shall be considered incidental to Roadway Excavation or Asphalt Concrete or various contract items or their respective bid items.
19. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.
20. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for separately.
21. Provide and maintain in or near the work zone a temporary pedestrian-safe and easily accessible route or detour or both with barricades placed in accordance with the MUTCD. The temporary route or detour shall be smooth, solid, non-slip and Americans With Disabilities Act Accessibility Guidelines (ADAAG) compliant which includes accommodations for people with vision disabilities. The temporary route or detour shall be paved with at least an inch of Hot Mix Asphalt (HMA) Pavement, Mix No. V or other non-slip material acceptable to the Engineer, e.g., steel plates or wood planks or combination of both. (The HMA paving or installation of other non-slip material is only applicable if the temporary route's or detour's existing surface is dirt or if the existing surface is non-ADA compliant.) Restore the temporary route or detour surface to pre-construction condition when no longer needed for the project's work.
22. The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tape, and epoxy adhesives prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.

23. 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. 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. 808-241-3000.
24. Except during actual working hours, all signs which do not pertain to the construction activity, such as "MEN WORKING" and "FLAGMEN AHEAD" shall be covered or laid down. However, all signs necessary for safety of the public shall be maintained
25. The Contractor shall employ a Hawaii Registered Professional Surveyor to perform all construction stakeouts, the cost of which shall be borne by the Contractor.
26. The Contractor shall make his own arrangements for, and pay for all temporary utilities required for his work.
27. The Contractor shall procure and pay for all licenses and permits and shall give all notices necessary and incidental to the due and lawful prosecution of the work.
28. The Contractor shall remove and dispose all silt and debris deposited in drainage facilities, roadways and other areas resulting from his work. The cost incurred for any necessary remedial action ordered by the Engineer shall be paid for by the Contractor.
29. Construction activities shall be limited to normal working daylight hours and weekdays.
30. The Contractor shall not damage any roots of the protected trees during roadway excavation.
31. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contact items and shall not be paid for separately.
32. Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the contractor shall immediately suspend work and notify the State Department of Land and Natural Resources - Historic Preservation Division (ph. 808-692-8015), and Kauai Police Department (ph. (808)241-1711)
33. All workers within the State right-of-way who are exposed to either vehicles using the roadway or to construction equipment shall wear high-visibility safety apparel that meets the requirements of ANSI/ISEA 107-2015, Type R or P, Performance Class 2 or 3. "Workers" is defined as people on foot whose duties place them within the State right-of-way, such as, but not limited to construction and maintenance forces, equipment operator, survey crews, utility crews, responders to incidents (e.g., EMT and firemen), and law enforcement personnel directing traffic, investigating accidents, handling lane closures and obstructed roadways.

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	
	DESIGNED BY _____	
	QUANTITIES BY _____	
NOTE BOOK	CHECKED BY _____	No. _____



THIS WORK WAS PREPARED BY
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Terrance S. Arasiro
APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GENERAL NOTES FOR
CONSTRUCTION**
*Kaumualii Highway Intersection
Improvements at Waimea Canyon Drive
and Menehune Road/Halepule Road
Project No. 50B-01-14*
Scale: **As Shown** Date: *May 2020*
SHEET No. **G-2** OF **8** SHEETS

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	50B-01-14	2020	4	44

NOTES FOR CONSTRUCTION WITHIN
STATE RIGHT OF WAY

- The Contractor shall obtain a construction permit from the State's Highway District Engineer at 1720 Haleukana Street, Lihue, Kauai, prior to commencement of work within State Highway Right-of-Way.
- Construction and restoration of all existing Highway Facilities within State Right-of-Way shall be done in accordance with all applicable sections of the current "Standard Specifications for Road and Bridge Construction, 2005", as amended of the State of Hawaii.
- Work may be performed between Sunday Night through Friday Morning 9pm-5am, excluding Holidays. Working hours outside of these times may be requested by the Contractor, with approval by the District Engineer. Any work affecting County roadways will be subject to work hours permitted by the County of Kauai.
- The Contractor shall provide, install, and maintain all necessary signs, lights, flares, 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 "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 Highway, Part VI Traffic Controls for Street and Highway Construction and Maintenance. A traffic control plan shall be incorporated into the construction plans and must be approved by the Division prior to the issuance of the permit.
- No material and/or equipment shall be stockpiled or otherwise stored within Highway Rights-of-Way except at locations designated in writing and approved by the District Engineer.
- Compaction test shall be taken in accordance with the "Specifications for Installation of Miscellaneous Improvements within State Highways", as follows:
 - Subbase: 1 compaction test per lift for each 300 lineal feet or fraction thereof or minimum 1 test per day.
 - Base Course: 1 compaction test per lift for each 200 lineal feet or fraction thereof or minimum 1 test per day.
 - One compaction test per lift for each 300 lineal feet of trench or fraction thereof. A copy of the results shall be submitted to the District Engineer.
- The Contractor shall be required to provide adequate, safe, non-skid bridging material over the trench, including shoring, when trenching in pavement areas, to handle all types of vehicular traffic. Vehicles crossing the bridging material shall make no noise louder than a vehicle would driving on an adjacent un-bridged, untouched road.
- Longitudinal drainage along the highway shall be maintained.

- Pavement striping shall be done by the Contractor. Pavement marking and striping shall be Thermoplastic Extrusion.
- Approval of permit construction plans shall be valid for a period of one year thereof from the date of notification of approval to the applicant. In the event construction does not commence within the one-year period, the applicant will be required to re-submit his construction plans for Division's review and approval.
- All regulatory, guide and construction signs and barricades shall be of high-intensity reflective sheeting.
- The Contractor shall exercise care when excavating in this area. Damages to the existing facilities shall be immediately reported to the respective Utility Companies, County and State Agency. The repair work shall be done at the Contractor's expense.
- The Contractor shall notify the Highway Lighting and Traffic Signal Supervisor, Department of Transportation (State) three (3) working days prior to commencing work in this area (phone no. (808)241-3000).
- Contractor shall inform the State Permit Office (phone no. (808)241-3000) at least two (2) days prior to closing any lanes.
- Where pedestrian walkways exist, they shall be maintained in passable and accessible condition. Any detour or rerouting of pedestrian traffic shall comply with ADAAG 4.3 as required by ADAAG 4.1.1(4) and the MUTCD. Walkways at intersections shall be likewise provided.

Red: Electric
Yellow: Gas, Oil, Dangerous Materials
Orange: Telephone, Telegraph, Television, Police, Fire and Communications
Blue: Water Systems
Green: Sewer Systems
- The Contractor shall provide the District Engineer with As-Built plans upon completion of the work done in the State Right-of-Way. This shall be done prior to the Department's release of the performance bond and pre-final inspection.

PUBLIC HEALTH, SAFETY AND CONVENIENCE NOTES

- The Contractor shall observe and comply with all Federal, State, and Local Laws required for the protection of public health and safety and environmental quality.
- The Contractor, at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in accordance with the Air Pollution Standards and Regulations of the State Department of Health. The County of Kauai shall require supplemental measures as necessary.
- The Contractor shall provide, install, and maintain all necessary signs, lights, flares, barricades, markers, cones and other protective facilities and shall take all necessary precautions for the protection, convenience and safety of the public.
- The Contractor shall submit a Noise Pollution Control Plan when applying for a construction permit.

ORIGINAL PLAN	No.	DATE	DESIGNED BY	CHECKED BY	QUANTITIES BY	DESIGNED BY	CHECKED BY	DATE
NOTE BOOK								



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Terrance S. Arashiro
APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GENERAL NOTES FOR
CONSTRUCTION**
*Kaumualii Highway Intersection
Improvements at Waimea Canyon Drive
and Menehune Road/Halepule Road
Project No. 50B-01-14*
Scale: **As Shown** Date: May 2020
SHEET No. **G-3** OF **8** SHEETS

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	50B-01-14	2020	5	44

TRAFFIC NOTES FOR TRAFFIC CONTROL PLAN

1. *"No Parking" signs shall be posted at a minimum of every 100 ft within any work area and for the buffer and taper areas approaching to work area.*
2. *Six (6) weeks minimum prior to start of work operations, submit for Engineer's review and acceptance detailed site-specific traffic control plans for each intersection covering all phases of work such as painting of mast arms, and replacing controller. Traffic control devices, signs and flagger positions shall be shown. Construction work shall not proceed until the traffic control plans have been accepted by the Engineer.*
3. *The Contractor shall be responsible for obtaining permission from the County of Kauai and/or, obtaining a Road Permit for all work within the County R/W. The Contractor shall inform private property owners of the purpose and need of the project, and the specific work to take place onsite prior to work start, as applicable. This coordination work and obtaining permission and permit fee shall be considered incidental to the various contract items.*

STATE HISTORIC PRESERVATION
DIVISION REQUIREMENTS NOTES

1. *Should Historic Sites such as walls, platforms, pavements, and mounds, or remains such as artifacts, burials, concentration of charcoal or shells be encountered during construction work, work shall cease in the immediate vicinity of the find and the find shall be protected from further damage. The Contractor shall immediately contact the State Historic Preservation Division at (808)692-8015, which will assess the significance of the find and recommend an appropriate mitigation measure, if necessary.*

FISH AND WILDLIFE NOTES

1. *Minimize the impacts to Hawaiian hoary bat.*
 - a. *Do not disturb, remove, or trim woody plants greater than 15 feet tall during the bat birthing and pup rearing season, June 1 through September 15.*
 - b. *Do not use barbed wire for fencing.*
2. *Minimize the impacts to Native Seabirds by shielding nighttime lighting. See Special Provision Section 671 for more details.*

ORIGINAL PLAN	No. _____	NOTE BOOK	DESIGNED BY _____	CHECKED BY _____	DATE _____		
						SURVEY PLOTTED BY _____	
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APRIL 30, 2022
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**GENERAL NOTES FOR
CONSTRUCTION**

*Kaumualii Highway Intersection
Improvements at Waimea Canyon Drive
and Menehune Road/Halepule Road
Project No. 50B-01-14*

Scale: **As Shown** Date: May 2020

SHEET No. **G-4** OF **8** SHEETS