

GENERAL NOTES:

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83B-01-09	2023	3	231

1.

The project is the realignment of the existing Kamehameha Highway inland from the existing highway. The project includes the construction of AC pavement; removing existing pavement, two span bridge, wingwalls, dump riprap, temporary waterline relocation, concrete approach slab, concrete cutoff wall, guardrails, installation and relocation of fencing, drainage system, street lighting, landscaping geotextiles signs and pavement markings, adjusting and relocating utilities, cold planing, erosion control; and traffic control.
2.

The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, which requires the Contractor to perform work amounting 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.
3.

The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.09 - Maintenance of Traffic; Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; and Section 645 - Work Zone Traffic Control.
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 tone for the exact locations and depths of all underground utilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, installation of guardrail, traffic signal, widening, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for seperately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State.
5.

All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the Standards and Specifications of the affected utility company at no cost to the State.
6.

The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocations, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.
7.

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.
8.

Prior to resurfacing 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.
9.

The Contractor shall submit maintenance plans and schedules, including road or lane closures, lane switches, and the placement of

- temporary traffic control devices to the Engineer for acceptance prior to Construction.
10.

The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
11.

The exact locations and limits of areas to be reconstructed and cold planed shall be determined in the field by the Engineer.
12.

The Contractor shall notify the following for any work affecting bus operations, routes, or stops no less than 30 days prior to the start date. Point of contact information (Notification is required to all phone numbers and emails):

DTS-TMD
(808) 768-8396
thebusstop@honolulu.gov & handivan@honolulu.gov

Oahu Transit Services-Bus Operations
(808) 768-9520 & (808) 768-9534
John.donovan@thebus.org, Sean-bennett.paio@thebus.org & Field-ops-mgr@thebus.org

Oahu Transit Services - Paratransit Operations
(808) 456-5021
Tracie.coelho@thebus.org
13.

The Contractor shall obtain all necessary permits prior to start of work at his own cost.
14.

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.
15.

The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Polymer Modified Asphalt Pavement and will not be paid for separately.
16.

The existing drainage system shall be kept 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 various contract items.
17.

Smooth riding connections shall be constructed at all limits of resurfacing 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. This work shall be considered incidental to various contract items.
18.

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 various contract items.
19.

Tack coat shall be incidental to various Asphalt Concrete Pavement items.
20.

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. This work shall be considered incidental to the various contract items.
21.

Removal and disposal of existing guardrail, end terminals, asphalt

- concrete pavement, and any debris shall be considered incidental to their respective bid items.
22.

All saw cutting work including vacuuming of slurry shall be considered incidental to various contract items and will not be paid for separately.
23.

The Contractor shall provide for vehicular and pedestrian access to and from all existing side streets and driveways at all times.
24.

Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
25.

The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
26.

Contractor shall dispose or deliver any removed material at no cost to the State.
27.

The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks, ADA access routes complying with 2010 ADAAG Section 206.1, side streets, and cross streets at all times. This work shall be considered incidental to various contract items and will not be paid for separately.
28.

The Contractor is to take special measures to reduce dust from cold planing operations including but not limited to use of water misters on cold planing equipment and vacuum sweepers. Use of power brooms to sweep road is not allowed if a dust nuisance is created.
29.

The vertical riding surface drop-off between adjacent surfaces shall not exceed 3-inches. This shall include differences in height between adjacent pavement surfaces, cold planed surfaces, bridge decks and new concrete slabs. If a vertical riding surface drop-off exists at the end of each day's work, the Contractor shall provide temporary transition tapers with maximum slopes of 48:1 for travel in the longitudinal direction and 6:1 for transverse movements.
30.

The Contractor shall not perform any construction work during periods of heavy rainfall.
31.

The Contractor shall use the Traffic Control setup included in the 2005 Hawaii Standard Specifications for Road and Bridge Construction Section 645, and/or develop a site specific Traffic Control Plan where warranted.
32.

If, during construction, any previously unidentified archeological sites or remains (such as artifacts, shell , bone, or charcoal deposits, human burials, rock or coral alignments, pavings or walls) are encountered, the Contractor shall stop work and contact SHPD immediately. Work in the immediate area must stop until SHPD asses the impact and makes further recommendations for mitigative activity.

ORIGINAL PLAN	DATE	STAFFS DICTATED BY	
		DRAWN BY	
		TRACED BY	
		DESIGNED BY	
NOTE BOOK	No.	QUANTITIES BY	
		CHECKED BY	

Dexter S. Eji

LICENSED PROFESSIONAL ENGINEER

No. 4739-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

04/30/24

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GENERAL NOTES

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS

Vicinity of Laniakea Beach (MP 3.06 to MP 3.54)

Project No. 83B-01-09

Scale: None

Date: December 2022

SHEET No. N-01 OF 13 SHEETS

3

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83B-01-09	2023	4	231

NOTES FOR PROTECTION OF ENDANGERED SPECIES:

1. HAWAIIAN SEABIRDS

No night time construction will be permitted during the seabird fledging period (September 15th through December 15th). The Contractor's attention is directed to Special Provision Section 107.18 - Avoidance and Minimization Measures for Endangered Species.

All outdoor lights shall be fully shielded and only visible from below the bulb height. Outdoor lights shall only be used when necessary and shall be turned off when activity is not occurring in the lighted area.
2. HAWAIIAN HOARY BAT ('Ope'ape'a)

No disturbing, clearing, grubbing, or trimming of woody plants greater than 15' tall shall be allowed during the Hawaiian Hoary Bat birthing and pup-rearing season (June 1st through September 15th).

The Contractor shall not use barbed wire fencing.
3. HAWAIIAN WATERBIRDS

In areas where waterbirds are known to be present, post and implement reduced speed limits and inform project personnel about the presence of endangered species on-site.

In areas where vegetated streambanks would be disturbed, waterbird nest searches shall be conducted by a qualified biologist before any work is conducted, within 3 days of project initiation and after any subsequent delay of work of 3 or more days (during which the birds may attempt to nest).

If a nest or active brood is found:
 - Contact the Service (808) 861-8525 within 48 hours for further guidance.
 - Establish and maintain a 100-foot buffer around all active nests and/or broods until the chicks/ducklings have fledged. Do not conduct potentially disruptive activities or habitat alteration within this buffer.

- △ 4. SEA TURTLES

When possible, night work near the beach, night work near the beach will be avoided between May 1 and November 1, the sea turtle nesting and hatching season

△ 5. Shielded lighting to reduce direct and ambient lighting of beach habitats within and adjacent to the project site will be used.

When possible, night work near the beach will be avoided between May 1 and November 1, the sea turtle nesting and hatching season.
- △ 6. HAWAIIAN SHORT-EARED OWL OR PUEO

Before clearing any vegetation, daily pre-construction surveys shall be conducted by a qualified biologists

If pueo nests are present, DOFAW staff should be notified and a 100 foot buffer zone should be established in which no clearing occurs until nesting is completed.

7. A biological monitor that is familiar with the species' biology shall be present on the project site during all construction or earth moving activities until the chicks/ducklings fledge to ensure that Hawaiian waterbirds and nests are not adversely impacted.

NOTES FOR PROTECTION OF ENDANGERED SPECIES (CONT):

8. Turbidity and siltation from project-related work should be minimized and contained within the project area by silt containment devices and curtailing work during flooding or adverse tidal and weather conditions. BMPs should be maintained for the life of the construction period until turbidity and siltation within the project area is stabilized. All project construction-related debris and sediment containment devices should be removed and disposed of at an approved site.

9. No project construction-related materials or equipment (dredges, vessels, backhoes, silt curtains, etc.) shall be placed in an aquatic environment. Project related activities should not result in any debris disposal, non-native species introductions, or attraction of non-native pests to the affected or adjacent aquatic or terrestrial habitats.

10. Project construction-related materials (fill, revetment rock, pipe, etc.) should not be stockpiled in, or in close proximity to, aquatic habitats and should be protected from erosion (e.g., with filter fabric, etc.), to prevent materials from being carried into waters by wind, rain, or high surf.

11. Fueling of project-related vehicles and equipment should take place away from the aquatic environment and a contingency plan to control petroleum products accidentally spilled during the project should be developed. The plan should be retained on site with the person responsible for compliance with the plan. Absorbent pads and containment booms should be stored on-site to facilitate the clean-up of accidental petroleum releases.

12. All deliberately exposed soil or under-layer materials used in the project near water should be protected from erosion and stabilized as soon as possible with geotextile, filter fabric or native or non-invasive vegetation matting, hydro-seeding, etc.

13. Artificial light from exterior fixtures on the zoning lot, including but not limited to floodlights, uplights, or spot lights used for decorative or aesthetic purposes, is prohibited if the light directly illuminates or is directed to project across property boundaries toward the shoreline and ocean waters, except as otherwise permitted pursuant to HRS Section 205A-71(b). All outdoor lighting shall be fully shielded during and after construction to avoid artificial light impacts on seabirds, hoary bats, and sea turtles, particularly during the seabird fledgling season from September 15 through December 15.

11. All project activities must cease if a Hawaiian monk seal or green sea turtle is present within 150 ft of the work area, or as recommended by State of Federal regulations. Project activities may only recommence after the animal voluntarily leaves the area. If a monk seal and/or pup pair is present, a 300 ft buffer must be observed. Any Project-related debris that may impose an entanglement threat to monk seals and turtles must be removed from the work area at the end of wach day and at the conclusion of the Project-related activites.

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES:

1. 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.

2. The Contractor, at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the air pollution standards and regulations of the State Department of Health. The City may require supplementary measures as necessary.

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES (CONT):

3. The Contractor's attention is directed to Chapter 448, Public Health Regulations, Department of Health, State of Hawaii, "Community Noise Control for Oahu" in which maximum allowable noise levels have been set. If the construction activities for this project will exceed the allowable noise levels, the Contractor will be required to obtain a permit from the Director of the Department of Health. The Contractor shall obtain a copy of Chapter 448 and become familiar with the noise level restrictions and the procedures for obtaining a Permit for construction activities.

4. The Contractor is to comply with the directions of the State of Hawaii Occupation Safety and Health Law (DOSH).

MONUMENT GENERAL NOTES

1. All existing right-of-way, centerline, as-built, construction, and NGS (horizontal and vertical in the NGS database) monuments located within the State of Hawaii right of way, must be preserved and displayed on the plans. All monuments shall be preserved during all design and construction phases. If monuments are disturbed or destroyed, the Cadastral Engineering Section (HWY-DC) shall be notified prior to groundbreaking. Reconciliation to the Right-of-Way Baseline and/or a boundary study and determination may be required prior to re-installation of the disturbed or destroyed monuments. HWY-DC shall be contacted for guidelines and procedures. As to construction, a State of Hawaii Licensed Surveyor shall perform the location and staking of the reset monument. The DOT Standard Plans # Specifications, with the exception of NGS monuments which shall have a NGS approved "brass disk" marker, shall be referenced for the monument type and materials.

2. Any NGS vertical monuments that are deemed necessary for relocation due to construction shall follow the NGS benchmark reset procedures written by Curtis Smith dated September 2010 or newer. All work must be done by an electronic digital level that is acceptable by NGS for second-order class one or higher work. The surveyor must use two one-piece invar barcode rods with current certifications with struts with 15 lbs turning plate or turtles; and/or turning pin with driving cap and temperature readings. Contact NGS prior to any work to ensure all equipment meets reset specifications. A State of Hawaii Licensed Surveyor shall perform the relocation. All work must be submitted both in electronic and hard copy formats to NGS and HWY-DC.







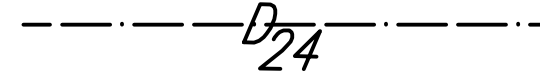














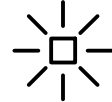
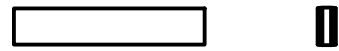







3. All monument work shall be considered incidental to this project.



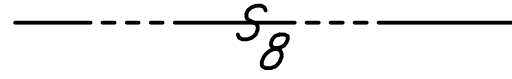















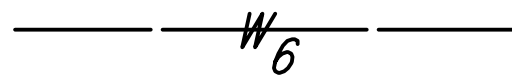



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9/1/23	△ Addendum 2 Added Notes
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES	
KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS Vicinity of Laniakaa Beach (MP 3.06 to MP 3.54) Project No. 83B-01-09	
Scale:	Date: December 2022
SHEET No. N-02 OF 13 SHEETS	

LEGEND:

EXISTING

	BFP
	CATV BOX
	C.O.
	DI
	D.S.
	DSP
	24" DRAIN LINE
	ELECTRIC/TV LINE
	ELEC. BOX
	ELEC MH
	ELEC. BOX
	ELEC TRANSFORMER
	E.O.
	F.A. BOX
	FH
	2" GAS LINE
	G.P.
	G.W.
	H.B.
	ICV
	ICV BOX
	L.P.
	MB
	MH
	OVERHEAD LINE
	PBX
	PSL
	RISER
	SCMH
	SDMH

	SMH
	SEWER VALVE
	8" SEWER LINE
	SIGNAL CORPS LINE
	S.L.
	SLB
	SPR
	STREET MONUMENT
	TEL BOX
	TEL. MH
	TELEPHONE LINE
	TREE
	TSL
	TSLB
	U.P./S.L.
	U.P./CONDUIT
	UTILITY BOX
	U.S. POSTAL M.B.
	6" WATERLINE
	WM
	WMH
	WV

ABBREVIATIONS:

AC	Asphalt Concrete	PCC	Portland Cement Concrete
APPROX.	Approximate	P/L	Property Line
#	Baseline	PMA	Polymer Modified Asphalt
BC	Bottom Curb	PSL	Pedestrian Signal Light
BFP	Back Flow Preventer	REF	Reflector
BOT.	Bottom	RPM	Raised Pavement Marker
BW	Bottom Wall	R/W	Right of Way
¢	Centerline	S	Sewer or Spread
C	Chord	SC	Signal Corps
CATV	Cable Television	SCMH	Signal Corps Manhole
C.B.	Catch Basin	SDMH	Storm Drain Manhole
C.L.	Chain Link	S.E.	Super Elevation
CMU	Concrete Masonry Unit	S.L.	Street Light
C.O.	Clean Out	SLB	Street Light Box
COL.	Column	SMH	Sewer Manhole
COMM.	Communication	ST. NAME	Street Name
CONC.	Concrete	STA.	Station
CRM	Concrete Rubble Masonry	TC	Top Curb
D	Diameter or Drain	TDC	Top Drop Curb
DI	Drain Inlet	T/TEL.	Telephone/Tangent
D.S.	Down Spout	TMH	Telephone Manhole
DSP	Dry Stand Pipe	TP	Top Pipe
DWY	Driveway	TS	Top Stem
E/D42	Existing 42" Drain Pipe	TSL	Traffic Signal Light
E/ELEC.	Electric	TSLB	Traffic Signal Light Box
ELEV/EL.	Elevation	TV	Top Valve
EMH	Electric Manhole	TW	Top Wall
E.O.	Electric Outlet	U.P.	Utility Pole
EP	Edge of Pavement	U.P./S.L.	Utility Pole w/Street Light
F.A.	Fire Alarm	W	Water
FH	Fire Hydrant	WM	Water Meter
G	Gas	WMH	Water Manhole
GND.	Ground	WV	Water Valve Box
G.P.	Guard Post/Guy Pole/Gate Post	X-WALK	Cross Walk
GV	Gas Valve		
G.W.	Guy Wire		
H	Height		
H.B.	Hose Bib		
HMA	Hot Mix Asphalt		
ICV	Irrigation Control Valve		
INV.	Invert		
JPCP	Jointed Pre-cast Concrete Pavement		
L.P.	Lamp Pole / Light Pole		
MB	Mail Box		
MH	Manhole		
NTS	Not to Scale		
O/H	Overhead		
PBX	Penal Box		

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QUANTITIES BY	
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ORIGINAL PLAN	
NOTE BOOK	
No.	


DEXTER S. EJI

LICENSED PROFESSIONAL ENGINEER

No. 4739-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.



SIGNATURE

04/30/24

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LEGEND AND ABBREVIATIONS

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS

Vicinity of Laniakea Beach (MP 3.06 to MP 3.54)

Project No. 83B-01-09

Scale: None

Date: December 2022

SHEET No. N-03 OF 13 SHEETS