

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK	No. <u> </u>	

GENERAL NOTES

1.

The scope of work for this project consists of but is not limited to new guardrail and end treatments, new signage and striping, High Friction Surface Treatment on existing AC pavement, regrooving of existing PCC pavent at Wilson Tunnels, and milled shoulder rumble strips.
2.

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.
3.

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.
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, the Oahu Transit Services, Lowell Tom (848-4578) , two (2) weeks prior to construction, informing them of location, scope of work, and clo-sure of Name of Highway and/or traffic lanes and dates of closure.
(For Oahu projects only. For other islands, check with your local bus company.)
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, 99-945 Halawa Valley Street, Aiea, HI 96701; Telephone No. 586-5800. This shall be considered incidental to the various contract items and will not be paid for separately.
9.

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.
10.

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 seperately.

11.

All guardrail post shall be 8.0 feet long. (Normal length is 6.0 feet. Designer should evaluate for guardrail post length.)
12.

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 the various contract items and will not be paid for seperately.
13.

The Contractor shall provide and maintain a temporary pedestrian-safe and easily accessible route or detour with barricades in or near the work zone. This temporary route or detour shall be paved at least an inch of Asphalt Concrete Pavement, Mix No V or steel and/or wood planks and shall be American With Disabilities Act (ADA) compliant [This is only applicable if existing surface is dirt and/or if existing surface is non-ADA compliant.]. This work shall be incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for seperately.
14.

No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations de-signed 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 Oahu District Office at telephone no. 831-6712.
15.

If nighttime construction activity and/or equipment maintenance is proposed during the construction phases of the project, all associated lights should be shielded and when large flood/work lights are used, they should be placed on poles that are high enough to allow the lights to be pointed directly to the ground.
16.

The Contractor shall verify all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer.
17.

Reset guardrails to distances indicated on plans. Location of new guardrail may or may not be on the same placement as exiting guardrail. Distances indicated along the guardrail are from face of guardrail to Edge Pavement (EP) unless otherwise noted. Where no EP exist, the distance indicated on the plans is from face of guardrail to the edge of asphalt concrete pavement stripe.
18.

Payment of the terminal section shall include steel guardrail and post elements for the entire length of the terminal section, including anchor blocks, cables, hardware, etc., shall be incidental to the cost of the terminal section.
19.

The Contractor shall restore to their original condition all improvements damaged as a result of the construction, including pavements, embankments, curbs, signs, landscaping, structures, utilities, walls, fences, etc. unless provided for specifically, in the proposal at no extra cost and time to the State.

20.

All monuments, including right-of-way, centerline, construction, and NGS marks located within the State of Hawaii right of way, must be preserved, including monuments not identified on the plans. It is the contractors responsibility to locate, preserve and inform the Engineer of any survey monuments in the state right of way. State survey monuments known or unknown needs to be referenced using azimuth and distance ties. Provide a geographic picture of the monument with azimuth and distant ties to the monument and survey data of the reference of the monuments. Date must be sent it to the Engineer for approval (1) month before work is done near any survey monuments. A registered and licensed land surveyor for the State of Hawaii shall do the work providing stamp and signature on work.

Hawaii One Call Center

21.

Before you conduct any excavation in the public right of way or on private property, call the Hawaii One Call Center at least five (5) working days before you plan to dig. Be sure to give them the address and location of the nearest cross street(s) near where you plan to dig. Call B11 toll-free 24 hours a day. or www.callbeforeyoudig.org

The Hawaii One Call Center will contact all utility companies to tone, mark, or identify the location of their underground utilities for free. Mark the area where you plan to excavate in White and label all the other utilities as listed below.

- RED - Electric power lines, cables, or conduits, and lighting cables.
- YELLOW - Gas, oil, petroleum or other hazardous liquid or gaseous materials.
- ORANGE - Communications, cable TV, alarm or signal lines, cables, or conduits.
- BLUE - Water, irrigation, and slurry lines.
- GREEN - Sewers, storm sewer facilities or other drain lines.
- WHITE - Proposed excavation
- PINK - Temporary survey markings.
- PURPLE - Reclaimed water, irrigation and slurry lines.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS

Emmeline Place to Kahekili Highway
Federal Aid Project No. NH-063-1(025)

Date: May, 2022

GENERAL NOTES (CONTINUED)

LEGEND

	Concrete Diamond Grinding Re-grooving Areas		Existing Sewer Line
	High Friction Surface Treatment Areas		New 12" Sewer Line
	Existing Electrical Line		Existing Sewer Manhole
	New Electrical Line		Adjusted Sewer MH Frame/Cover
	Existing Joint Pole		New Sewer Manhole
	Existing Power Pole		Existing 6" Gas Line
	Existing Elec. MH Frame/Cover		New 6" Gas Line
	New Electric Manhole		Existing Gas Valve Box
	Existing Telephone Line		Adjusted Gas Valve Box
	New Telephone Line		New Gas Valve Box
	Existing Telephone Pole		Existing Gas Manhole
	Adjusted Tele. MH Frame/Cover		Adjusted Gas MH Frame/Cover
	New Telephone Manhole		New Gas Manhole
	Existing Signal Corps Line		Existing Monument
	New Signal Corps Line		Adjusted Monument
	Existing TV Cable		New Monument
	Existing Sandwich Isles Communication Line		Existing 24" Drain Line
	Existing 12" Water Line		New 24 " RCP Drain Line
	Existing Water Manhole		Existing Storm Drain Manhole
	Adjusted Water MH Frame/Cover		Adjusted Storm Drain MH Frame/Cover
	New Water Manhole		New Storm Drain Manhole
	Existing Water Air Valve		Existing Grated Drop Inlet
	Adjusted Water Air Valve		Existing Catch Basin
	New Water Air Valve		Existing Traffic Sign
	Existing Water Valve Box		Existing Highway Lighting Standard
	Adjusted Water Valve Box		Existing Highway Lighting Pullbox
	New Water Valve Box		Existing Traffic Signal Pole
	Existing Water Meter		New Traffic Signal Pole
	Adjusted Water Meter		Existing Traffic Signal Pullbox
	New Water Meter		Adjusted Traffic Signal Pullbox
	Existing Fire Hydrant		New Traffic Signal Pullbox
	New Fire Hydrant		Existing Metal Guardrail
			New Metal Guardrail

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-K(025)	2022	4	60

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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SAFETY IMPROVEMENTS
Emmeline Place to Kahekili Highway
Federal Aid Project No. NH-063-K(025)
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