

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H2-1(034)	2022	3	32

- ORIGINAL
PLAN

SURVEY PLOTTED BY

DRAWN BY

DESIGNED BY

NOTED BY

CHECKED BY

DATE

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The scope of work for this project consists of diamond grinding the existing pavement and installing new pavement markings.

The Contractor is reminded of the requirements of Subsection 105.16 - Subcontract Requirements, 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.

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.

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.

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.

Construction of this project shall not affect transit operations. Bus routes and bus stops shall remain open and accessible at all times. Any work affecting bus operations, routes, or stops must be submitted to DTS-TMD for review no less than 30 days prior to the start date. Point of Contact Information - DTS-TMD at thebusstop@honolulu.gov, Oahu Transit Services, Bus Operations at Sean-bennet.paio@thebus.org, and Oahu Transit Services, Para-transit Operations at Tracie.coelho@thebus.org.

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

The Contractor shall obtain a Community Noise permit 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.

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.

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.

Earth swale shall be graded to drain. This work shall be considered incidental to various contract items.

Smooth riding connections shall be constructed at all limits of project, 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 asphalt concrete and will not be paid for separately.

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.

Removal and disposal of existing curb and gutter, curb, sidewalk and asphalt concrete pavement, curb, sidewalk and any debris shall be considered incidental to their respective bid items.

All saw cutting work shall be considered incidental to Roadway Excavation or Asphalt Concrete or Various Contract Items or their respective bid items.

Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.

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 Oahu District Office at telephone no. 831-6712.

Striping plans included in the project are for reference only. The Contractor shall field verify existing pavement markings and replace all damaged/removed pavement markings to match existing. All edge striping (white and yellow) shall be 6" wide including dashed guide line at interchange ramps.

The Contractor shall coordinate with other HDOT projects in the area: Interstate Route H-2 and Moanalua Freeway Guardrail and Shoulder Improvements, NH-STP-0300(164). If applicable, coordinate lane closures with adjacent project(s) at no increase in contract price or contract time.

The Contractor shall be responsible for referencing and preserving all survey monuments on State property. The Contractor shall coordinate with the State Construction Surveyor prior to construction to locate and verify all monuments. All survey monuments disturbed or destroyed by the Contractor shall be reinstalled at no cost to the State. Only a licensed State of Hawaii Land Surveyor shall reference, locate, adjust or reinstall monuments. Adjusted or reset monuments shall comply with Standard Plan D-07 or D-08 where applicable. Following the completion of the monuments, their locations shall be checked. The monuments must check within a tolerance of the smaller of 1:20,000 for distance and alignment or a maximum positional error of 0.03 feet. Failure to meet the tolerance will require the Contractor to reset the monuments. All costs associated with preservation of survey monuments shall be incidental to the contract work and shall not be paid for separately.

Traffic control plans shown in the Contract Documents are minimum requirements and do not constitute a complete traffic control plan. The Contractor shall provide any traffic control plan (not shown in the plans) that is needed to accomplish the work based on contractor's means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable Manual Uniform Traffic Control Devices (MUTCD) requirements. All lane closures or traffic pattern changes (detours) not shown on the plan shall be submitted to the Engineer for approval in accordance with Specifications Section 645 - Work Zone Traffic Control. For restrictions on lane closures, detours, construction work during peak hours, and other requirements regarding maintaining behicular and pedestrian traffic, see Section 107.06 - Contractor Duty Regarding Public Convenience, and Section 645 - Work Zone Traffic Control. All traffic control related costs shall be included in the lump sum traffic control pay item and shall not be paid for separately.

Public notices and advertisements shall be incidental to lump sum traffic control item 645.0100 - Traffic Control, and shall not be paid for separately, unless otherwise directed by Engineer.

Submit requests for detours, ramp, and lane closures in accordance with Special Provisions Section 645. Refer to minimum timeframes required for implementation.

If the traffic control plan or any traffic control device is not installed per plan, specification, or is deemed unsafe, the Engineer reserves the right to shut down the work at no additional cost/time or withhold payment.

The Contractor shall provide for quality control of work. The Contractor shall submit copies of all measurements and test results to the Engineer. The Contractor shall submit quality inspection reports daily to the Engineer.

The contractor shall allow HDOT personnel access to all materials that will be used in the project for inspection and/or testing (this includes but is not limited to access to contractor or subcontractor's base yards, manufacturer yard, production plan, separate storage areas). The Engineer reserves the right to reject any material for which access or inspection is not allowed.

Work may be suspended due to non-compliance with any of the following, but not limited to, conditions:

Work or lane closures performed before or after permitted hours.

Failure to maintain roadway surfaces in a smooth and safe condition.

Failure to clean up construction debris generated from project work.

Failure to provide proper traffic control.

Failure to replace damaged pavement markings and signs.

Failure to maintain highway lights and/or traffic signal systems.

Failure to maintain or install traffic control devices.

Failure to address public complaints to the satisfaction of the engineer.

Unauthorized lane closures.

Any suspension of work shall be at the Contractor's expense and at no additional cost to the State and no additional contract time will be added.
- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

INTERSTATE ROUTE H-2, PCCP REHABILITATION

(NORTHBOUND), AT VARIOUS LOCATIONS

FEDERAL AID PROJECT NO. NH-H2-1(034)

Scale: NONE

Date: Dec., 2021

SHEET No. 1 OF 2 SHEETS
- 3

GENERAL NOTES - Cont.

28. 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 and 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.

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.

All monument work shall be considered incidental to this project.

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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK		
DATE		
NO.		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

INTERSTATE ROUTE H-2 PCCP REHABILITATION
(NORTHBOUND) AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. NH-H2-1(034)

Scale: NONEDate: Dec., 2021

SHEET No. 2 OF 2 SHEETS