

GENERAL NOTES

1. The scope of work for this project includes paving roadway and shoulders; installing guardrails and end treatments, and pavement markings.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; 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 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 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.
6. The exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by Engineer.
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
8. The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tapes, and epoxy adhesives prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Item 401.0400-Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for separately.
9. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, 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.
10. 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 Engineer.
11. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of work or the various contract items and will not be paid for separately.
12. Removal and disposal of existing asphalt concrete pavement and any debris shall be considered incidental to their respective bid items.
13. All saw cutting work shall be considered incidental to Item 415.0100 - Cold Planing.
14. The Contractor shall provide and maintain for access to and from all existing driveways, 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 separately.
15. 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 Hawaii District Office at telephone no. 933-8866.

16. All existing right-of-way, centerline, as-built, construction, and NGS (horizontal and vertical published by the NGS) 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 or relocated monument. The DOT Standard Plans & Specifications, with the exception of NGS published monuments which should have a NGS approved "Brass Disk" marker, shall be referenced for the monument type and materials. HWY-DC must be contacted prior to any construction activity should NGS published monuments be found within the construction limits.
17. Any NGS published benchmarks that are disturbed or 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 HWY-DC and 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 HWY-DC and NGS. All monument work shall be considered incidental to this project.

18. For Project Benchmark, See Sheet 14.

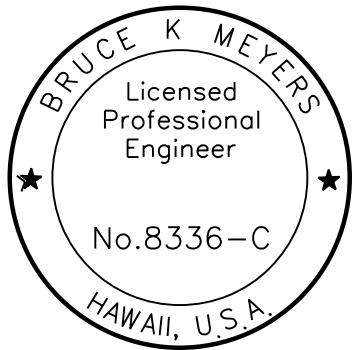
- Grading
- Repaving
- Shoulder Paving
- Stockpile
- Existing Electrical Line
- New Electrical Line
- Existing Joint Pole
- Existing Power Pole
- Existing Electric Manhole
- Adjusted Elec. MH Frame/Cover
- New Electric Manhole
- Existing Telephone Line
- New Telephone Line
- Existing Telephone Pole
- Existing Telephone Manhole
- Adjusted Tele. MH Frame/Cover
- New Telephone Manhole
- Existing Signal Corps Line
- New Signal Corps Line
- Existing TV Cable
- New TV Cable
- Existing Sandwich Isles Communication Line
- Existing 12" Water Line
- New 12" Water Line
- Existing Water Manhole
- Adjusted Water MH Frame/Cover
- New Water Manhole
- Existing Water Air Valve
- Adjusted Water Air Valve
- New Water Air Valve
- Existing Water Valve Box
- Adjusted Water Valve Box
- New Water Valve Box
- Existing Water Meter
- Adjusted Water Meter
- New Water Meter
- Existing Fire Hydrant
- New Fire Hydrant

LEGEND

- Existing Sewer Line
- New 12" Sewer Line
- Existing Sewer Manhole
- Adjusted Sewer MH Frame/Cover
- New Sewer Manhole
- Existing 6" Gas Line
- New 6" Gas Line
- Existing Gas Valve Box
- Adjusted Gas Valve Box
- New Gas Valve Box
- Existing Gas Manhole
- Adjusted Gas MH Frame/Cover
- New Gas Manhole
- Existing Monument
- Adjusted Monument
- New Monument
- Existing 24" Drain Line
- New 24 " RCP Drain Line
- Existing Storm Drain Manhole
- Adjusted Storm Drain MH Frame/Cover
- New Storm Drain Manhole
- Existing Grated Drop Inlet
- Existing Catch Basin
- Existing Traffic Sign
- Existing Highway Lighting Standard
- Existing Highway Lighting Pullbox
- Existing Traffic Signal Pole
- New Traffic Signal Pole
- Existing Traffic Signal Pullbox
- Adjusted Traffic Signal Pullbox
- New Traffic Signal Pullbox
- Existing Metal Guardrail
- New Metal Guardrail
- Existing Metal Fence
- Right-of-Way
- Flow Direction

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	3	23

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	
DESIGNED BY	DESIGNED BY	
CHECKED BY	CHECKED BY	
NA	NA	



This work was prepared by me or under my supervision.

Expiration Date of License 4/22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

PAHOA-KALAPANA ROAD

2018 KILAUEA ERUPTION PERMANENT REPAIRS

Federal Aid Project No. ER-21(005)

Scale: N/A Date: August 2021

SHEET No. 1 OF 1 SHEETS