

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-083-1(66)	2019	3	36

1. The scope of work for this project includes cold planing, paving, high friction surface treatment, milled centerline rumble strips, pavement marking & striping, & signage.

2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts 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.

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 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 exact locations and limits or areas to be excavated, reconstructed and cold planed shall be determined in the field by Engineer.

7. All lanes shall be open to traffic during the hours from 6:30 A.M. to 8:00 P.M. Only one lane of highway shall be closed at any other time. Night time working hours are specified in Section 107 of the Special Provisions. Failure of the Contractor to open all lanes of traffic during the times specified in Section 108.09 of the Special Provisions.

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

9. The Contractor shall notify, the Oahu Transit servies, Lowell Tom (848-4578) or Ed Sniffen (848-4571), two (2) weeks prior to construction, informing them of location, scope of work, and closure 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.)

10. Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with HMA Pavement Mix No. IV as shown on the plans and/or as directed by Engineer.

11. 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.
12. Earth swale shall be graded to drain. This work shall be considered incidental to various contract items.

13. 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.

14. 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.

15. 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.

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

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

18. Tack coat shall be considered incidental to paving.

19. Any work specified in the contract but not listed seperately in the proposal schedule shall be considered incidental to other Various Contract Items and will not be paid for separately.

20. The vertical riding surface drop-off between adjacent surfaces shall not exceed a maximum of 3-inches. This shall include differences in height between adjacent pavement surfaces, bridge decks and new concrete slabs. If a vertical riding surface drop-off exists, the Conctractor shall provide temporary transition tapers with maximum slopes of 48:l for travel in the longitudinal direction and 6:l in the transverse direction. This work shall be considered incidental to Various Contract Items.

21. The Contractor shall close only one lane at a time, not exceeding more than 1000 L.F. including tapers. There shall be no more than 3 concurrent lane closures between the project limits spaced a minimum of 1 mile apart.

22. 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.

23. 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 separately.

24. Provide smooth transition where new sidewalk construction meets the existing grade or sidewalk. Transition shall not be steeper than 2% cross and longitudinal slopes and not less 6.0 feet long or as specified on the plans. This work shall be considered incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for separately.

25. 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 Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.

26. 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.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
NOTE BOOK	CHECKED BY	
	DATE	
No. 1/2/2018		

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS

Waikane Valley Road to Vicinity of Kahekili Highway

Project No. HS1P-083-1(66)

Date: Sept., 2018

SHEET No. 1 OF 2 SHEETS

GENERAL NOTES (CONTINUED)

Hawaii One Call Center

31. 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 811 toll-free 24 hours a day.
For more information, go to www.callbeforeyoudig.org

32. 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 of the other utilities as listed below.

- RED
- Electric power lines, cables, or conduits, and lighting cables.
- YELLOW
- Gas, oil steam, 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.

PAVING AROUND MANHOLES:

1. The Contractor shall use a pneumatic roller to roll the area around the manhole which is not rolled by the steel roller.
2. The Contractor shall fog seal or brush emulsion seal on the material placed as backfill on the area around the manhole that was not compacted by the roller. Black sand shall be used to blot out the area if the fog is too heavy.

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

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HAWAII	HAW.	HSIP-083-1(66)	2019	4	36

LEGEND

- Reconstruction Areas
- Leveling Areas
- Cold Planing Areas
- Resurfacing Limits
- 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
- 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

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Roadway	Text for as-built posting

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES AND LEGEND	
KAMEHAMEHA HIGHWAY SAFETY IMPROVEMENTS	
Waikane Valley Road to	
Vicinity of Kahekili Highway	
Project No. HSIP-083-1(66)	
Date: Sept., 2018	
SHEET No. 2 OF 2 SHEETS	