

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-19	2020	3	23

- ORIGINAL PLAN

NOTE BOOK

DATE

NO.

SURVEY PLOTTED BY

DRAWN BY

DESIGNED BY

CHECKED BY

DATE
1. The scope of work consists of the repair, rehabilitation, and maintenance of existing 84-inch culvert, installation of new culvert, concrete outfall, spillway and grading for slope improvement. Specific work includes rehabilitating a portion of the existing 84-inch storm culvert, abandoning a section of the culvert, installation of a new 84-inch culvert, relocation of the concrete outlet structure, restriping, guardrail replacement, stabilizing slopes with hydroseeding and erosion control matting, and applying Best Management Practices.

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 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 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. 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 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 Item 401.0400 - Hot Mix Asphalt Pavement, Mix No. IV and will not be paid for separately.

10. Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans.

11. Trimming and dressing of shoulder, sidewalk and bus turnout 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. Suitable materials

12. 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.

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

14. 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.

15. 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.

16. 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.

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

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

19. The top of the Plant Mix Glassphalt Concrete Base Course prior to placement of the new A.C. Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16."

20. Concrete sidewalk shall be reinforced with 6x6 W1.4xW1.4 welded wire fabric.

21. Dressing of sidewalk shall consist of clearing and grubbing, grading, reshaping and compacting with suitable material the area adjacent to the improvement as shown on the plans and/or as directed by the Engineer and shall be considered incidental to Sidewalk.

22. All curbing angle points within the curb ramps shall be rounded with R=6."

23. New Shoulder/Sidewalk adjacent to the New Bike Lane shall be paid for under their respective bid items. New Asphalt Concrete Sidewalk shall be paid for under Item No. 635.0100 - Hot Mix Asphalt Sidewalks.

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

25. 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.

26. 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.

27. 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.

28. 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.

29. 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.

30. The Contractor shall exercise all appropriate safety precautions when performing work for the drainage system at Baseline Station xx+xx± in the vicinity of the (abandoned) 8-inch Navy Aviation Gasoline line. The Contractor shall perform work on or around the (abandoned) pipeline only under the guidance of an NFPA Certified Gas-Free Engineer or Marine Chemist. The employment of the Gas-Free Engineer or Marine Chemist shall be considered incidental to the various contract items.

31. The Contractor shall notify Ms. Johnell Yamamoto of Hawaiian Telcom at telephone no. 733-5600, 10 working days prior to excavation of existing sidewalk and curb ramp in the vicinity of the pay phone on Name of Highway. The Contractor shall again notify Ms. Yamamoto 10 working days prior to pouring of concrete in order for the utility company to install their relocated ductline.

32. The Contractor shall notify Lt. Jennifer Whitmore of the Department of the Navy, Regional Facilities Division, APW at telephone no. 471-1170 ext. 250, 10 working days prior to scope of work be done within the Navy Right-of-Way. [This is one ONLY when there is a prior agreement (telecon, phone or fax but must obtain written approval by or thru fax) between PE and Jill Kaya at telephone no. 471-1170 ext. 245.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

INTERSTATE ROUTE H-2, 84-INCH

Culvert Restoration at M.P. 2.10

Project. No. HWY-0-01-19

Scale: Not to Scale

Date: May, 2020

SHEET No. 1 OF 2 SHEETS

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GENERAL NOTES (CONTINUED)

For Fire Hydrant Relocation Only.

33. Before removing the existing fire hydrant and concrete block, the existing gate valve shall be restrained. (Restraining the gate valve must be verified and confirmed from local Water supplier.)
34. Concrete slab for fire hydrant shall be constructed with 4-inch concrete over 4-inch bed course. Slope concrete slab 2% away from hydrant. This work shall be considered incidental to the relocation of fire hydrant and will not be paid for separately.
35. Existing fire hydrants that are removed shall be cleaned and returned to BWS Kalihi Yard. This work shall be considered incidental to Fire Hydrant Relocation. (For Oahu projects only. For other islands, check with your local Water supplier.)

Hawaii One Call Center

36. 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](http://www.callbeforeyoudig.org)

37. 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.

38. Contractor shall restore to their original locations all existing traffic signs, light pole, guardrail and other highway hardware removed or relocated during the course of culvert repair work or by Contractor's own operations at no cost to the State.

39. Any existing highway hardware damaged by the Contractor's work shall be reported to the Engineer for evaluation. If deemed beyond repair by the Engineer the Contractor shall replace such item as directed by the Engineer at no cost to the State.

LEGEND

	Reconstruction Areas		Existing Sewer Line
	Leveling Areas		New 12" Sewer Line
	Cold Planing Areas		Existing Sewer Manhole
	Resurfacing Limits		Adjusted Sewer MH Frame/Cover
	Existing Electrical Line		New Sewer Manhole
	New Electrical Line		Existing 6" Gas Line
	Existing Joint Pole		New 6" Gas Line
	Existing Power Pole		Existing Gas Valve Box
	Existing Electric Manhole		Adjusted Gas Valve Box
	Adjusted Elec. MH Frame/Cover		New Gas Valve Box
	New Electric Manhole		Existing Gas Manhole
	Existing Telephone Line		Adjusted Gas MH Frame/Cover
	New Telephone Line		New Gas Manhole
	Existing Telephone Pole		Existing Monument
	Existing Telephone Manhole		Adjusted Monument
	Adjusted Tele. MH Frame/Cover		New Monument
	New Telephone Manhole		Existing 24" Drain Line
	Existing Signal Corps Line		New 24 " RCP Drain Line
	New Signal Corps Line		Existing Storm Drain Manhole
	Existing TV Cable		Adjusted Storm Drain MH Frame/Cover
	New TV Cable		New Storm Drain Manhole
	Existing Sandwich Isles Communication Line		Existing Grated Drop Inlet
	Existing 12" Water Line		Existing Catch Basin
	New 12" Water Line		Existing Traffic Sign
	Existing Water Manhole		Existing Highway Lighting Standard
	Adjusted Water MH Frame/Cover		Existing Highway Lighting Pullbox
	New Water Manhole		Existing Traffic Signal Pole
	Existing Water Air Valve		New Traffic Signal Pole
	Adjusted Water Air Valve		Existing Traffic Signal Pullbox
	New Water Air Valve		Adjusted Traffic Signal Pullbox
	Existing Water Valve Box		New Traffic Signal Pullbox
	Adjusted Water Valve Box		Existing Metal Guardrail
	New Water Valve Box		New Metal Guardrail
	Existing Water Meter		
	Adjusted Water Meter		
	New Water Meter		
	Existing Fire Hydrant		
	New Fire Hydrant		

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Culvert Restoration at M.P. 2.10  
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SHEET No. 2 OF 2 SHEETS