

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(39)	2011	ADD.3	33

GENERAL NOTES

1.

The scope of work for this project consists of cold planing, paving, reconstruction of weakened pavement areas, reconstructing center-line and survey monuments, installing pavement marking and striping, installing signs.
2.

The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, 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: Sub-section 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 Engineer in writing, two (2) weeks prior to starting construction operations.
7.

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.
8.

The Contractor shall be responsible for the protection of the vehicle Counting and Classification System. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.
9.

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 and various contract items will not be paid for separately.
10.

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

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.
12.

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.

13.

All saw cutting work shall be considered incidental to other contract items.
14.

Prior to placement of new Asphalt Concrete Base, the existing subgrade shall be compacted to a relative compaction greater than or equal to 95%.
15.

The top of the Plant Mix Asphalt 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."
16.

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 separately.
17.

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.
18.

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.
19.

Cold planed material shall belong to the State. Contractor shall stockpile the material as directed by the Engineer.
20.

Lane Closure and shoulder work will be allowed only from 9:00 a.m. to 3:00 p.m., Monday through Friday.
- △ 21.

Cold planing of adjacent travel ways shall be completed on the same day. Temporary pavement markings shall be installed prior to the end of each work day.
- △ 22.

Temporary striping on cold planed surfaces shall be with paint (tape will not be allowed). Temporary striping on final overlay shall be with temporary tape.

- Reconstruction Areas
-
- Leveling Areas

Existing Electrical LineNew Electrical LineExisting Joint PoleExisting Power PoleExisting Electric ManholeAdjusted Elec. MH Frame/CoverNew Electric ManholeExisting Telephone LineNew Telephone LineExisting Telephone PoleExisting Telephone ManholeAdjusted Tele. MH Frame/CoverNew Telephone ManholeExisting Signal Corps LineNew Signal Corps LineExisting TV CableNew TV CableExisting 12" Water LineNew 12" Water LineExisting Water ManholeAdjusted Water MH Frame/CoverNew Water ManholeExisting Water Air ValveAdjusted Water Air ValveNew Water Air ValveExisting Water Valve BoxAdjusted Water Valve BoxNew Water Valve BoxExisting Water MeterAdjusted Water MeterNew Water MeterExisting Fire HydrantNew Fire Hydrant

LEGEND

- △-12-

Existing Sewer Line
- S-12-

New 12" Sewer Line
- _{smh}

Existing Sewer Manhole
- _{SMH}

Adjusted Sewer MH Frame/Cover
- _{SMH}

New Sewer Manhole
- g-6-

Existing 6" Gas Line
- G-6-

New 6" Gas Line
- _{gv}

Existing Gas Valve Box
- _{GV}

Adjusted Gas Valve Box
- _{GV}

New Gas Valve Box
- _{gmh}

Existing Gas Manhole
- _{GMH}

Adjusted Gas MH Frame/Cover
- _{GMH}

New Gas Manhole
- _{mon.}

Existing Monument
- _{MON.}

Adjusted Monument
- _{MON.}

New Monument
- d--24--

Existing 24" Drain Line
- 24" RCP

New 24 " RCP Drain Line
- _{sdmh}

Existing Storm Drain Manhole
- _{SDMH}

Adjusted Storm Drain MH Frame/Cover
- _{SDMH}

New Storm Drain Manhole
- _{gdi}

Existing Grated Drop Inlet
- cb
ret.

Existing Catch Basin
- sign

Existing Traffic Sign
- _{hl}

Existing Highway Lighting Standard
- _{hlpb}

Existing Highway Lighting Pullbox

1/18/12 △ Added notes 21 & 22.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

VOLCANO ROAD

PAVEMENT PREVENTIVE MAINTENANCE

Kea'au Bypass Road to Panaewa Brige, Inbound Lanes

Federal-Aid Project No. STP-011-2(39)

Scale: N.T.S. Date: July, 2011

SHEET No. 1 OF 1 SHEETS

ADD.3

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK		
ddi		
4/26/2012		