

C:\CIVIL 3D PROJECTS\2012_153.000_KEAAU-PAHOA RD IMPR RTE130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKUU\024 BORING LOGS.DWG 8/20/2020 10:10 AM KSAW

BORING LOG

PROJECT NAME Keaau-Pahoa Road Improvements - Route 130
WORK ORDER NO. 18-6213 DRIVING WT. 140 lb. START DATE 9/18/18
SURFACE ELEV. 387 ± DROP 30 in. END DATE 9/18/18

REMARKS/ SAMPLE NO.	CORE RECOVERY (%)	RQD (%)	BLOWS PER FOOT (pcf)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	DEPTH (ft)	GRAPHIC LOG SAMPLE	MATERIAL DESCRIPTION
			69	116	11			GRAVEL (GW) - Gray, moist, dense, with sand. Covered by 8.5 inches of AC.
		70/9*	77	26				BASALT (WM-WS) - Gray, hard, moderately to slightly weathered.
	10/No Penetration					5		End boring at 5.0 feet.
								Neither groundwater nor seepage water encountered.
						10		
						15		
						20		

Plate A4.10

BORING LOG

PROJECT NAME Keaau-Pahoa Road Improvements - Route 130
WORK ORDER NO. 18-6213 DRIVING WT. 140 lb. START DATE 9/19/18
SURFACE ELEV. 458 ± DROP 30 in. END DATE 9/19/18

REMARKS/ SAMPLE NO.	CORE RECOVERY (%)	RQD (%)	BLOWS PER FOOT (pcf)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	DEPTH (ft)	GRAPHIC LOG SAMPLE	MATERIAL DESCRIPTION
			10/No Penetration					BASALT (WM-WS) - Gray, hard, moderately to slightly weathered. Covered by 8.5 inches of AC over 3.5 inches of base material.
						5		End boring at 4.0 feet.
								Neither groundwater nor seepage water encountered.
						10		
						15		
						20		

Plate A4.17

BORING LOG

PROJECT NAME Keaau-Pahoa Road Improvements - Route 130
WORK ORDER NO. 18-6213 DRIVING WT. 140 lb. START DATE 9/7/18
SURFACE ELEV. 406 ± DROP 30 in. END DATE 9/7/18

REMARKS/ SAMPLE NO.	CORE RECOVERY (%)	RQD (%)	BLOWS PER FOOT (pcf)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	DEPTH (ft)	GRAPHIC LOG SAMPLE	MATERIAL DESCRIPTION
			10/No Penetration					GRAVEL (GW-GM) - Gray, moist, dense, with silt and sand. Covered by 8.5 inches of AC.
			10/No Penetration					BASALT (WM-WS) - Gray, hard, moderately to slightly weathered.
						5		End boring at 6.0 feet.
								Neither groundwater nor seepage water encountered.
						10		
						15		
						20		

Plate A4.11

BORING LOG

PROJECT NAME Keaau-Pahoa Road Improvements - Route 130
WORK ORDER NO. 18-6213 DRIVING WT. 140 lb. START DATE 9/6/18
SURFACE ELEV. 475 ± DROP 30 in. END DATE 9/6/18

REMARKS/ SAMPLE NO.	CORE RECOVERY (%)	RQD (%)	BLOWS PER FOOT (pcf)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	DEPTH (ft)	GRAPHIC LOG SAMPLE	MATERIAL DESCRIPTION
			10/No Penetration					BASALT (WM-WS) - Gray, hard, moderately to slightly weathered. Covered by 6.5 inches of AC over 5.5 inches of base material.
			10/No Penetration					
			10/No Penetration			5		End boring at 6.0 feet.
								Neither groundwater nor seepage water encountered.
						10		
						15		
						20		

Plate A4.18

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	24	116

NOTES:

- For boring locations, see Shts. 25 to 28.
- Boring logs were extracted from the geotechnical engineering report entitled "Geotechnical Investigation Keaau-Pahoa Road Improvements - Route 130, Keaau to Pahoa, Hawaii" prepared by Hirata & Associates, Inc. dated December 7, 2018. See report for other information.
- The information presented in the logs of boring and/or coring depict the subsurface condition encountered at that specified location at the time of field exploration only. Variation of subsoil conditions may occur between and beyond where the samples are taken. The Engineer will not assume responsibility for variations of subsoil quality or conditions other than as shown in the samples.
- The data given is for general information only. Bidders shall examine the site and the boring and/or coring data and draw their own conclusions therefrom as to the character of materials to be encountered.