

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-0300(123)	2011	9	65

ELECTRICAL SYMBOLS		
SYMBOL		DESCRIPTION
EXST	NEW	
		Highway Light Standard
		Large Junction Box, Size as Noted on Plans
		Wall Surface Mounted
		Large Junction Box, Size as Noted on Plans
		Ceiling Surface Mounted
		Future DOT Fiber Cabinet Location
		Traffic Signal Controller
		Surface Mounted PVC Coated GRC Conduit
		Surface Mounted PVC Coated GRC Flex Conduit
		Conduit Riser Turned Up/Down Respectively
		Electrical/Communication Conduit. Indicates 2-4E & 1-4C. Surface Mounted Conduits. See this Sheet for Conduit Schedule.
		Traffic Signal Head Mounted on Viaduct
		Type I Traffic Signal Standard with Traffic Signal Head.
		Type II Traffic Signal Standard with Traffic Signal Heads Mounted on Mast Arm and Standard; Number of Traffic Signal Heads May Vary.
		Type III Traffic Signal Standard with Traffic Signal Heads Mounted on Mast Arm and Standard, Highway Light Luminaire and Bracket Arm. Number of Traffic Signal Heads May Vary.
		Electrical Ductline
		Telephone Ductline
		Cable Ductline
		Irrigation Ductline
		Water Ductline
		Sewer Ductline
		Drain Ductline
		Gas Ductline
		Traffic Signal Ductline
		Street Light Ductline
		Traffic Signal & Street Light Ductline
		Overhead Lines
		City & County Signal Ductline

SYMBOL NOTES:

1. "X" Through Symbol Indicates Item to be Removed.

GENERAL ELECTRICAL NOTES

1. Electrical Work shall be New Unless Indicated Otherwise.
2. Existing Electrical Equipment shall Remain Unless Indicated Otherwise.
3. The Location of Existing Underground Utilities Shown on Plans are from Existing Records and are Approximations Only. Contractor shall Exercise Caution when Construction Crosses or is in Close Proximity to Existing Underground Utilities. Damages to Utility Companies' Existing Facilities shall be Repaired by the Respective Utility Company and Repair Costs shall be Paid by the Contractor at No Additional Cost to the State.
4. Communication Conduits to have a Minimum Bending Radii of 12".

CONDUIT SCHEDULE	
ITEM	DESCRIPTION
(2-2)	2-Communication 2" Conduit
(3-2)	3-Electrical 2" Conduit
(2-2)	2-Electrical 2" Conduit
(1-2)	1-Electrical 2" Conduit

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
RECORD BY	
QUANTITIES BY	
CHECKED BY	
NO.	

LAST SAVE: 02/22/11 @ 08:36:53 BY: DOT PLOT SG, TLT
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NO.	DATE	REVISION

STEVEN H. SAKAI
LICENSED PROFESSIONAL ENGINEER
No. 7837-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
EXP. 4/30/12

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Symbol List

Freeway Management System, Phase 1C,
Part 1A: Communication and
Power Infrastructure
Federal Aid Project No. IM-0300(123)

SCALE: As Noted DATE: 3-28-11

SHEET No. E-1 OF 28 SHEETS

9