

The table below delineates the expected locations and the expected installation method for the MAC Address Readers.

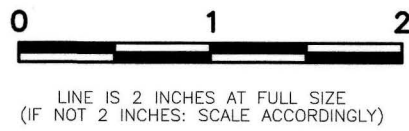
Vehicle Detection Device Locations

DEVICE ID	ROUTE	INST LOC	DESCRIPTION	APPROX LAT (DEG MIN)	APPROX LONG (DEG MIN)	LANE / SHLDR CLOSURE REQD
LP-1	Likelike	SB	FOR SB DIRECTION ONLY Street light pole on SB Likelike to EB H-1 ramp	N21°19.946'	W157°52.356'	SHOULDER CLOSURE ONLY
LP-2	Likelike	NB	FOR NB DIRECTION ONLY Street light pole on WB H-1 to EB Likelike ramp	N21°20.000'	W157°52.364'	SHOULDER CLOSURE ONLY
LP-3	Likelike	NB	FOR BOTH NB AND SB DIRECTION Street light pole near traffic signal and at Likelike Hwy and N. School Street intersection	N21°20.166'	W157°52.180'	RIGHT LANE CLOSURE
LP-4	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Kalihi St. intersection	N21°20.399'	W157°52.067'	RIGHT LANE CLOSURE
LP-5	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Wilson St. intersection	N21°20.697'	W157°52.048'	RIGHT LANE CLOSURE
LP-6	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Kamehameha IV Hwy intersection	N21°20.816'	W157°51.974'	RIGHT LANE CLOSURE
LP-7	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Alu St. intersection	N21°20.915'	W157°51.823'	RIGHT LANE CLOSURE
LP-8	Likelike	MEDIAN	FOR BOTH NB AND SB DIRECTION Street light pole located in the median near the Likelike Hwy and Kula Kolea Dr. intersection	N21°21.016'	W157°51.707'	LEFT LANE CLOSURE
LP-9	Likelike	MEDIAN	FOR BOTH NB AND SB DIRECTION Street light pole near the Likelike Materials Testing Lab facility	N21°21.562'	W157°51.389'	LEFT LANE CLOSURE
LP-10	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Kahekili Hwy intersection	N21°24.180'	W157°48.411'	RIGHT LANE CLOSURE
LP-11	Likelike	SB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Anoi Rd. intersection	N21°24.233'	W157°48.209'	RIGHT LANE CLOSURE
LP-12	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Likelike Hwy and Kamehameha Hwy intersection	N21°24.168'	W157°47.989'	RIGHT LANE CLOSURE
LP-13	Likelike	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Kaneohe Bay Drive and Aumoku St intersection	N21°24.193'	W157°47.856'	RIGHT LANE CLOSURE
PP-1	Pali	NB	FOR NB DIRECTION ONLY Overhead Destination Sign	N21°18.769'	W157°51.222'	RIGHT LANE CLOSURE
PP-2	Pali	SB	FOR NB DIRECTION ONLY Street light pole near WB H-1 to EB Pali ramp	N21°18.828'	W157°51.223'	RIGHT LANE CLOSURE
PP-3	Pali	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Pali Hwy and School St intersection	N21°18.886'	W157°51.251'	RIGHT LANE CLOSURE
PP-4	Pali	SB	FOR BOTH NB AND SB DIRECTION Street light pole on Pali near the intersection of Kuakini St	N21°19.078'	W157°51.106'	RIGHT LANE CLOSURE
PP-5	Pali	SB	FOR BOTH NB AND SB DIRECTION Street light pole in median on Pali near the Pauoa Rd. ramp	N21°19.306'	W157°50.860'	LEFT LANE CLOSURE
PP-6	Pali	SB	FOR BOTH NB AND SB DIRECTION Street light pole on Pali near the Wyllie St. on-ramp	N21°19.551'	W157°50.729'	RIGHT LANE CLOSURE
PP-7	Pali	NB	FOR BOTH NB AND SB DIRECTION Street light pole near Pali and Wyllie St.	N21°19.721'	W157°50.721'	RIGHT LANE CLOSURE
PP-8	Pali	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Pali and Akamu Pl. intersection	N21°19.852'	W157°50.617'	RIGHT LANE CLOSURE
PP-9	Pali	SB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Pali and Laimi Rd. intersection	N21°20.048'	W157°50.489'	RIGHT LANE CLOSURE

DEVICE ID	ROUTE	INST LOC	DESCRIPTION	APPROX LAT (DEG MIN)	APPROX LONG (DEG MIN)	LANE / SHLDR CLOSURE REQD
PP-10	Pali	SB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Pali and Puuwa Rd. intersection	N21°20.227'	W157°50.305'	RIGHT LANE CLOSURE
PP-11	Pali	SB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at Pali and Waokanaka St. intersection	N21°20.549'	W157°49.970'	RIGHT LANE CLOSURE
PP-12	Pali	SB	FOR BOTH NB AND SB DIRECTION Street light pole along divided highway portion of Pali near Spot Speed P-1	N21°20.884'	W157°49.657'	LEFT LANE CLOSURE
PP-13	Pali	SB	FOR BOTH NB AND SB DIRECTION Street light pole at intersection of Pali and Kamehameha Hwy	N21°22.495'	W157°46.863'	RIGHT LANE CLOSURE
PP-14	Pali	MEDIAN	FOR BOTH NB AND SB DIRECTION Street light pole in median of road at Kalaniana'ole Hwy and Kapaa Quarry Rd. intersection	N21°22.642'	W157°46.024'	LEFT LANE CLOSURE
PP-15	Pali	MEDIAN	FOR BOTH NB AND SB DIRECTION Street light pole at Kalaniana'ole Hwy and Aulua Rd. intersection	N21°22.623'	W157°45.785'	LEFT LANE CLOSURE
PP-16	Pali	NB	FOR NB DIRECTION ONLY Street light pole at Kalaniana'ole Hwy and Kailua Rd. intersection closer to east-bound lanes	N21°22.840'	W157°45.362'	SHLDR CLOSURE ONLY
PP-17	Pali	SB	FOR SB DIRECTION ONLY Street light pole at Kalaniana'ole Hwy and Kailua Rd. intersection closer to west-bound lanes	N21°22.864'	W157°45.366'	RIGHT LANE CLOSURE
KP-1	Kamehameha	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at intersection of Kamehameha Hwy and Luluku Rd	N21°24.013'	W157°47.936'	RIGHT LANE CLOSURE
KP-2	Kamehameha	NB	FOR BOTH NB AND SB DIRECTION Traffic signal pole at intersection of Kamehameha Hwy and Mokulele Dr	N21°23.622'	W157°47.819'	RIGHT LANE CLOSURE
KP-3	Kamehameha	SB	FOR BOTH NB AND SB DIRECTION; SB H-3 ONRAMP Traffic signal pole at Kamehameha Hwy and H-3 I/C EB intersection	N21°23.130'	W157°47.494'	SHLDR CLOSURE ONLY
KP-4	Kamehameha	NB	FOR BOTH NB AND SB DIRECTION; NB H-3 ONRAMP Traffic signal pole at Kamehameha Hwy and H-3 I/C WB intersection	N21°23.073'	W157°47.407'	SHLDR CLOSURE ONLY
H201-1	Moanalua Freeway	Median	FOR BOTH EB AND WB DIRECTION Street Light Pole in the median East of the	N21°21.972'	W157°54.236'	SHOULDER CLOSURE ONLY
H201-2	Moanalua Freeway	Gore	FOR WB DIRECTION ONLY Overhead destination sign	N21°22.151'	W157°54.666'	LEFT LANE CLOSURE
H201-3	Moanalua Freeway	Median	FOR WB DIRECTION ONLY Overhead destination sign	N21°22.318'	W157°55.081'	SHOULDER CLOSURE ONLY
H201-4	Moanalua Freeway	Median	FOR BOTH EB AND WB DIRECTION Street light pole in the median	N21°22.355'	W157°55.472'	LEFT LANE CLOSURE
H201-5	Moanalua Freeway	WB	FOR WB DIRECTION ONLY Street light pole in the clear zone to the right of the shoulder lane	N21°22.453'	W157°55.408'	SHOULDER CLOSURE ONLY

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(145)	2016	16	20

ORIGINAL PLAN
DATE
SURVEY PLOTTED BY
DRAWN BY
DESIGNED BY
NOTED BY
QUANTITIES BY
CHECKED BY
NO.



KEITH K. NIYA
LICENSED PROFESSIONAL ENGINEER
No. 8226-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Signature

4/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MAC ADDRESS READER LOCATIONS

Freeway Management System
Phase 1C, Part 3a
Data Expansion
Various Locations
Federal Aid Project No. STP-0300(145)
Scale: As Noted Date: May 2016

SHEET No. 16 OF 20 SHEETS

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