FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(57)18	1973	[illegible]	[illegible]

ELECTRICAL SYMBOLS

EXST.	NEW.	DESCRIPTION
		HWY. LT. SHOWN IN NEW LOCATION UNLESS NOTED OTHERWISE. ALSO SEE NOTE 1, SH. 1L.
		HWY. LT., NO CHANGE. UNLESS NOTED OTHERWISE.
		HWY. LT., ASS'Y. TO BE REMOVED.
		HWY. LT., MT. ON CONC. RETAINING WALL.
		HWY. LT, NEW POLE W/ BRACKET, NEW LUMINAIRE AS NOTED.
		REPLACE ST. LT. W/ HANDHOLE INDICATED.
		REMOVE, PROVIDE 15"Φ BOLT CIRCLE SLIP BASE & REINSTALL ON NEW FOUNDATION, SH. 12L, SH. 1L NOTE #5.
		HANDHOLE, STATE HWY. DIV. TYP. TYPE 'C', NOTE #8.
		HWY. SIGN W/ SHO. FLUOR., STATE HWY. DIV. STD. SH. DT. 200 TO DT. 208
		400W. Hg-VAPOR.
		700W. Hg-VAPOR.
		1000W Hg-VAPOR.
----X----		DIRECT BURIED CABLES TO BE ABANDON.
		DIRECT BURIED SERIES CKT. 1/C CABLE.
-----2-----		DIRECT BURIED SERIES CKT. 2 1/C CABLE.
		DIRECT BURED PVC SCH'D. 40 OR ABS CONDUIT, SH. 14L.
		CONC. ENCASED 2" CONDUIT, SH. 14L OR W/ IN CONC. STRUC., SH. 7L.
	1 2 3 4 5 6 7	INDICATOR { 1. POLE NUMBER; 2. CIRCUIT ASSIGNMENT, NUMBER; 3. LETTERS; SEE REFERENCE; 4 LUMINAIRE MTG. HT. FOR NEW POLE ONLY. 5,6,7 SEE REFERENCES
	W	INDICATES – POLE TO BE MTD. ON CONC. WALL, DET. B/7L
	BW	INDICATES – POLE TO BE MTD ON GR. BACK OF CONC. WALL, DET. G/7L.
	T	INDICATES – NEW BREAK-AWAY TRANSFORMER BASE.
	R	INDICATES – REINSTALL HWY. LT. ASS'Y.
	M/R	INDICATES – PROVIDE POLE S/B & REINSTALL HWY. LT. ASS'Y.
	S/B	INDICATES – SLIP BASE, SH. 1L.
	T/R	INDICATES – NEW TRANS. BASE & REINSTALL HWY. LT. ASS'Y.
	B	INDICATES – HWY. LT. ASS'Y MTD. ON CONC. BARRIER, SH. 8L
	N/C	INDICATES – NO CHANGES FOR POLE ASS'Y.
	700W	INDICATES – NEW 700W. Hg-VAPOR LUMINAIRE.
	C	INDICATES – NEW TRUSS ARM BRACKET, LENGTH AS NOTED.
	PL/A.	INDICATES – HWY LT. INSTALLATION, SEE PLAN A/SH. 6L
		HANDHOLE, STATE HWY. DIV. TYP. TYPE 'C', SH. 9L.
	K2	INDICATES – HWY. RAMP IDENTIFICATION.
		PULLBOX, STATE HWY DIV. TYPE 'X', SH. 10L.
		PHOTO ELEC. SW. W/ RCPT, STATE HWY. DIV. STD SH. DT. 200
		FLUOR. BALLAST IN NEMA-3R ENCL.
		CONDUIT CONN. BETWEEN NEW & EXST, SH. 14L.
	N/C	NOT IN CONTRACT.

GENERAL NOTES

1. SYMBOLS ( ) DENOTE RELOCATION OF LIGHT ASSEMBLY DIRECTLY OUTBOARD OF EXST. LIGHT POLE, UNLESS OTHERWISE NOTED.
   FOR LIGHT POLE SET BACK DISTANCE SEE SHTS 5L & 6L; ALL OTHER SET BACK 11'-0" FROM EXST. EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. UNASSIGNED
3. FOR GROUNDING SYSTEM, SEE NOTE 19, SH. 1L.
4. FOR BARRIER TYPES SEE STRUCTURAL DWGS. & PROVIDE 3-FOOT SECTION FOR MOUNTING OF POLES. ALSO PROVIDE #6 TIE BARS BETWEEN 3-FOOT SECTION & ADJACENT WALLS PER STRUCTURAL DWGS.
   FOR REFERENCE, SEE SH. 8L.
5. FOR HWY. ILLUM. SIGN WIRING SEE STATE HWY. DIV. STD. SH. DT. 200 THRU DT 208.
6. UNASSIGNED
7. PROVIDE 20 EA./SERIES 400W BALLAST FOR REPLACEMENT DUE TO CORROSION AS DIRECTED BY ENGINEER IN THE FIELD & WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
8. ALL PULLBOXES TO BE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED, SEE SHEETS 5L & 6L.
9. ALL MERCURY-VAPOR LAMPS AFFECTED BY POLE REINSTALLATION SHALL BE REPLACED WITH NEW FOR SERIES CIRCUIT & WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
10. HWY. LIGHTING SYSTEMS PARTS, HARDWARE AND COMPONENTS DAMAGED SHALL BE REPLACED W/ NEW AND CONSIDERED INCIDENTAL TO THE CONTRACT.
11. STUB-OUT 2" PVC, 5 FEET LONG, TERMINATE W/ DUCT SEAL & BUSHING.
12. PROVIDE 5 EA/TWIN 400W SERIES CKT. BALLAST FOR REPLACEMENT AT CONC. BARRIER POLE MTG., & WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
13. WHERE EXST. CABLE BECOMES EXPOSED DUE TO NEW GRADES, PROVIDE SLIT DUCTS W/ 3" CONC. JACKET, BURY 24" DEEP & WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. AT NO TIME NEW OR EXPOSED CABLES SHALL BE DIRECT BURIED.
14. IF DIRECT BURIAL SPLICE MUST BE MADE, PROVIDE CONC. MARKER, & WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
15. FOR ALL EXPRESSWAY ILLUMINATED SIGNS, PROVIDE SERIES/MULTIPLE DRY TRANSFORMER AT PULLBOX OR NEMA-3R ENCLOSURE AT SIGN POLE.

TAMETO KAWADATA
REGISTERED PROFESSIONAL ENGINEER
No. 750
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYMBOLS

SAFETY IMPROVEMENT
MIDDLE STREET TO KALIHI STREET
F.A.I. PROJECT NO. I-HI-1(57)18

SCALE: NO SCALE DATE: AUG. , 1973

SHEET No. 1L OF SHEETS

ORIGINAL PLAN | DATE | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | NOTE BOOK No.

PRINTED ON NO. 1000H CLEARPRINT

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