

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(21)	1994	2	11

SCHEDULE OF WORK

- 1 REMOVE EXISTING MERCURY VAPOR LUMINAIRE, BALLAST AND WIRING AS REQUIRED ON EXISTING STEEL POLE. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. REWIRE EXISTING POLE AND CONNECT TO NEW STREET LIGHT WIRING. SEE  $\frac{3}{2|10}$
- 2 REMOVE EXISTING HIGH PRESSURE SODIUM LUMINAIRE, BALLAST AND WIRING AS REQUIRED ON EXISTING STEEL POLE SHAFT. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. REWIRE EXISTING POLE AND CONNECT TO NEW STREET LIGHT WIRING. SEE  $\frac{3}{2|10}$
- 3 REMOVE EXISTING MERCURY VAPOR LUMINAIRE AND WIRING FROM WOOD POLE DISCONNECT AND REMOVE EXISTING WIRING AND BALLASTS. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND WIRING.
- 4 PROVIDE AND INSTALL NEW TYPE B PULLBOX. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION. SEE  $\frac{2}{2|9}$
- 5 NOT USED.
- 6 BREAK AND PATCH EXISTING STREET LIGHT PULLBOX FOR NEW CONDUITS. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION.
- 7 REMOVE EXISTING TEMPORARY OVERHEAD WIRING FOR STREET LIGHTS. REMOVE ANY BALLAST MOUNTED TO POLE OR IN POLE BASE COMPARTMENT NO LONGER REQUIRED.
- 8 PROVIDE AND INSTALL NEW CONDUIT AND WIRING. RESTORE EXISTING SIDEWALK OR PAVEMENT TO ORIGINAL CONDITION. SEE  $\frac{3}{2|9}$
- 9 REMOVE EXISTING WIRING AND PROVIDE NEW WIRING IN EXISTING CONDUIT.
- 10 PROVIDE NEW TRANSFORMER BASE COMPARTMENT COVER. VERIFY TYPE AND SIZE REQUIRED.
- 11 REINSTALL EXISTING CLARE SHIELD ON NEW HIGH PRESSURE SODIUM LUMINAIRE.
- 12 EXISTING UNDERGROUND STREET LIGHT WIRING TO BE REMOVED OR ABANDONED. REMOVE EXISTING WIRES WHEN POSSIBLE.
- 13 DISCONNECT STEEL POLE FROM BASE AND REMOVE DAMAGED TRANSFORMER COMPARTMENT. PROVIDE NEW TRANSFORMER COMPARTMENT AND REINSTALL POLE. PROVIDE ADDITIONAL HARDWARE REQUIRED TO COMPLETE INSTALLATION. VERIFY TYPE AND SIZE REQUIRED TO MATCH EXISTING POLE. RECONNECT POLE SHAFT TO BASE. SEE  $\frac{3}{2|10}$
- 14 PROVIDE AND INSTALL NEW TYPE A STREET LIGHT PULLBOX. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION. SEE  $\frac{1}{2|9}$
- 15 REMOVE EXISTING WIRING IN POLE SHAFT. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. REWIRE EXISTING POLE AND CONNECT WIRING TO NEW STREET LIGHT.
- 16 REMOVE EXISTING MERCURY VAPOR LUMINAIRE, BALLAST AND WIRING AS REQUIRED IN EXISTING STEEL POLE SHAFT. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. REWIRE EXISTING POLE AND CONNECT TO NEW STREET LIGHT WIRING.
- 17 BREAK AND PATCH EXISTING AC PAVEMENT AND CONCRETE CURB FOR NEW CONDUIT. SEE  $\frac{4}{2|9}$
- 18 PROVIDE AND INSTALL NEW 2" CONDUIT (SCHEDULE 80) FOR TRAFFIC SIGNAL. WORK SHALL BE DONE WITH 17
- 19 PROVIDE AND INSTALL NEW 2" CONDUIT (SCHEDULE 80) FOR TRAFFIC SIGNAL. WORK SHALL BE DONE WITH 8
- 20 BREAK AND PATCH EXISTING TRAFFIC SIGNAL PULLBOX FOR NEW CONDUIT. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION.

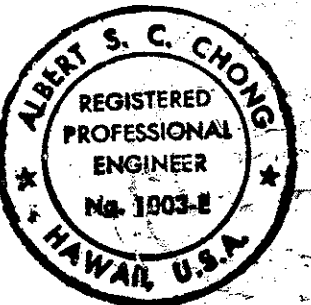
- 21 REMOVE EXISTING MERCURY VAPOR LUMINAIRE AND WIRING FROM WOOD POLE DISCONNECT AND REMOVE EXISTING WIRING AND BALLASTS. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND WIRING. CONNECTION OF NEW LUMINAIRE TO EXISTING HECO SECONDARY WIRING BY HECO.
- 22 REMOVE EXISTING STATE OWNED OVERHEAD WIRING FOR STREET LIGHTS AND PROVIDE NEW WIRING AND ACCESSORIES FOR STREET LIGHTING AS REQUIRED.

ELECTRICAL SYMBOLS

EXIST	NEW	EXIST	NEW
	STEEL POLE WITH TWO LUMINAIRES		STEEL POLE WITH ONE LUMINAIRE
	STEEL POLE WITH LUMINAIRE AND TRAFFIC SIGNAL DEVICE	W	EXISTING UTILITY LINE. TYPE AS INDICATED (WATER LINE INDICATED)
		SD	STORM DRAIN
		CB	CATCH BASIN
		FA	FIRE ALARM
		TC	TRAFFIC CONTROLLER
		SL	STREET LIGHT
		TC	TRAFFIC SIGNAL
		S	SEWER
		W	WATER
		E	ELECTRICAL
		T	TELEPHONE
		TV	TELEVISION
		TS	TRAFFIC SIGNAL
		---T&SL---	OVERHEAD TELEPHONE AND STREET LIGHT WIRING
		---P & G---	OVERHEAD PRIMARY WIRING AND GUY
		---G---	OVERHEAD GUY WIRE
		*-OSL*	TEMPORARY OVERHEAD WIRING FOR STREET LIGHTS TO BE REMOVED
		---SL---	OVERHEAD STREET LIGHT WIRING
		*-X-X*	WIRING IN RACEWAY BELOW GRADE TO BE REMOVED OR ABANDONED
		-----	WIRING IN EXISTING UNDERGROUND RACEWAY
		-----	WIRING IN RACEWAY BELOW GRADE

- NOTES: 1. ANY CIRCUIT WITH NO FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. CIRCUITS WITH ADDITIONAL WIRES ARE INDICATED AS FOLLOWS ~~---~~, 3 WIRES, ~~---~~ 4 WIRES, ETC.
2. INDICATES GROUNDING CONDUCTOR SIZED PER NATIONAL ELECTRICAL CODE ARTICLE 250.

	5/23/95	REVISED SCHEDULE OF WORK
	3/20/95	ADD NEW TRAFFIC SIGNAL CONDUIT AND EXISTING PULLBOX WORK TO SCHEDULE OF WORK.
SYM	DATE	REVISION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*Albert S. C. Chong*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
ELECTRICAL SYMBOLS, SCHEDULE OF WORK, AND  
GENERAL NOTES

HIGHWAY LIGHTING IMPROVEMENTS AND REHABILITATION  
ALA MOANA BOULEVARD  
KEAME STREET TO ALA WAI CANAL

SHEET No. 2 OF 10 SHEETS

C.O. 2

DATE	_____
SYMBOLS	_____
PLAN	_____
DESIGNED BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL	_____
PLAN	_____
NO.	_____