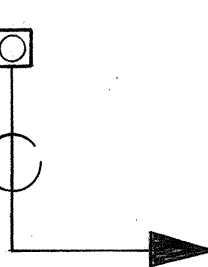
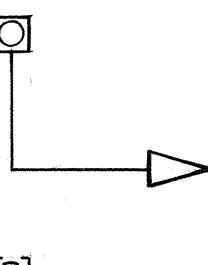
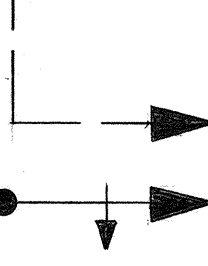
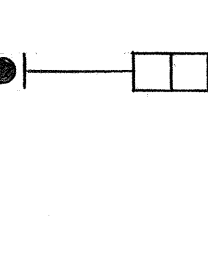

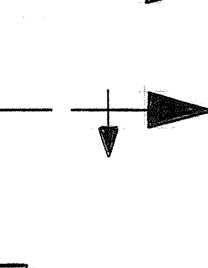
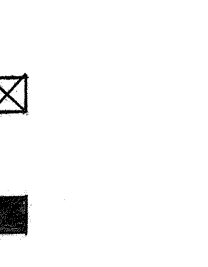
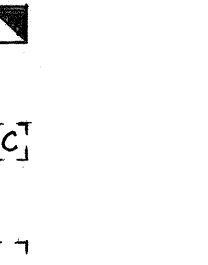
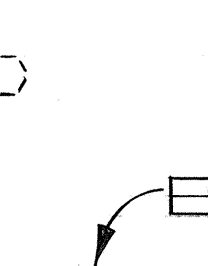
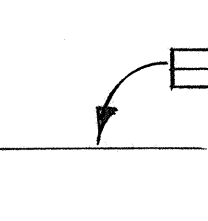
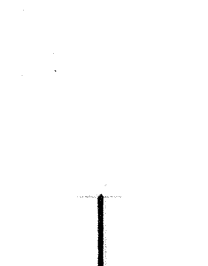
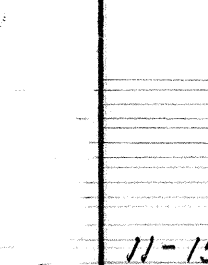
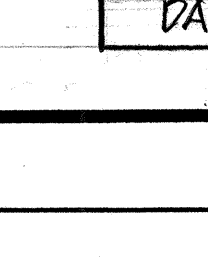



GENERAL NOTES

1. THE EXACT LOCATION OF TRAFFIC SIGNAL STANDARDS, HIGHWAY LIGHTING STANDARDS, MAST ARMS, BRACKET ARMS, PULL-BOXES, CONTROLLER BASES, CONDUITS & LOOP DETECTORS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. THE CONTRACTOR SHALL VERIFY LOCATION & CONDITION OF EXISTING TRAFFIC SIGNAL & HIGHWAY LIGHTING EQUIPMENT TO BE USED.
3. ALL NEW CONDUITS UNDER ROADWAYS (INCLUDING DRIVEWAYS) SHALL BE STEEL OR PVC SCHEDULE 80. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL HAVE OPTION OF USING PVC SCHEDULE 40 FOR NEW CONDUITS NOT UNDER ROADWAY.
4. ALL DUCTLINES UNDER ASPHALT CONCRETE ROADWAY (INCLUDING ASPHALT CONCRETE DRIVEWAYS) SHALL HAVE BACKFILL RE-SURFACED WITH ASPHALT CONCRETE MIX V, THICKNESS TO MATCH EXISTING.
5. LOCATION OF EXISTING UNDERGROUND STRUCTURES SUCH AS CULVERTS, PIPELINES, CONDUITS, CABLES, ETC., AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. OTHER EXISTING UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CHECK & VERIFY THE LOCATION OF SAME.
6. A SOLID #8 BARE COPPER WIRE SHALL BE PULLED WITH ALL NEW LOOP CONTROL CABLES (1-26c #14) FOR EQUIPMENT GROUND. COSTS TO BE INCIDENTAL TO LOOP CONTROL CABLE INSTALLATION.
7. ALL NEW TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE COMPLETELY WIRED IN THE CABINET & SHALL CONTROL THE TRAFFIC SIGNALS AS CALLED FOR IN THE PLANS.
8. FOR PULLBOXES TO BE REMOVED, CONTRACTOR SHALL VERIFY THAT NO OTHER UTILITIES WILL BE AFFECTED; OTHERWISE, LEAVE IN PLACE. IN REMOVING PULLBOXES, CONTRACTOR SHALL BACKFILL AND SURFACE TO MATCH EXISTING CONDITION.
9. PRIOR TO DOING ANY WORK ON EXISTING HIGHWAY LIGHTING SYSTEMS, THE CONTRACTOR SHALL INFORM THE STATE ELECTRICAL SHOP, PHONE 548-4077, AT LEAST ONE WEEK IN ADVANCE.
10. EXISTING CABLES, CONDUITS, PULLBOXES & DETECTORS NOT INCORPORATED IN THE FINAL TRAFFIC SIGNAL SYSTEMS SHALL BE ABANDONED OR REMOVED AS DIRECTED BY THE ENGINEER. ALL COSTS SHALL BE INCIDENTAL TO THE VARIOUS TRAFFIC SIGNAL SYSTEM ITEMS.
11. EXISTING HIGHWAY LIGHTING SYSTEM EQUIPMENT NOT TO BE INCORPORATED IN THE FINAL PLANS SHALL BE ABANDONED OR REMOVED AS DIRECTED BY THE ENGINEER. ALL COSTS SHALL BE INCIDENTAL TO THE VARIOUS HIGHWAY LIGHTING SYSTEM ITEMS.
12. ALL CONTRACT ITEMS SHALL BE PAID FOR AS DESCRIBED OR AS SHOWN ON THE PROPOSAL SCHEDULE. ALTHOUGH THE PAY ITEM NUMBERS ON THE PROPOSAL SCHEDULE AND THE INDIVIDUAL PLAN SHEETS ARE THE SAME, THE ITEM DESCRIPTIONS MAY DIFFER. THE PLAN SHEET ITEM DESCRIPTIONS ARE INTENDED TO SHOW THE CONTRACTOR MORE PRECISELY WHAT SPECIFIC MATERIALS ARE REQUIRED FOR EACH INTERSECTION.
13. WHERE NEW CONTROLLERS ARE TO BE INSTALLED, A NEW 26-CONDUCTOR NO. 14 CABLE AND NEW 2 INCH CONDUIT SHALL BE RUN ALONG WITH EXISTING LOOP CONTROL CABLE.
14. ALL EXISTING TRAFFIC SIGNAL SYSTEMS SHALL REMAIN IN OPERATION DURING CONSTRUCTION.

LEGEND

-  NEW TYPE III TRAFFIC SIGNAL STANDARD (MAST ARM LENGTH & HWY LTG. BRACKET ARM LENGTH AS REQUIRED) WITH NEW 12" RYA TRAFFIC SIGNAL HEAD AND RELOCATED HWY LTG. LUMINAIRE
-  NEW TYPE II TRAFFIC SIGNAL STANDARD WITH 30 FT. MAST ARM (UNLESS OTHERWISE SPECIFIED) AND NEW 12" RYG TRAFFIC SIGNAL HEAD
-  EXISTING OR RELOCATED TYPE II TRAFFIC SIGNAL STANDARD & MAST ARM WITH EXISTING OR RELOCATED 12" RYA TRAFFIC SIGNAL HEAD
-  NEW TYPE I TRAFFIC SIGNAL STANDARD WITH NEW 12" RY< TRAFFIC SIGNAL HEAD (PROGRAMMED VISIBILITY AS REQUIRED)
-  NEW TYPE I TRAFFIC SIGNAL STANDARD WITH NEW "DONT-WALK" PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON LOCATION DIRECTION AND R10-4a SIGN AS REQUIRED
-  NEW PEDESTRIAN PUSHBUTTON STANDARD
-  EXISTING OR RELOCATED TRAFFIC SIGNAL STANDARD, HIGHWAY LIGHTING STANDARD OR UTILITY POLE
-  EXISTING OR RELOCATED 12" RYG TRAFFIC SIGNAL HEAD
-  EXISTING OR RELOCATED 12" RY< TRAFFIC SIGNAL HEAD (PROGRAMMED VISIBILITY AS INDICATED)
-  NEW TRAFFIC SIGNAL SYSTEM CONTROLLER
-  NEW TYPE A PULLBOX (TRAFFIC SIGNAL SYSTEM)
-  NEW TYPE B PULLBOX (TRAFFIC SIGNAL SYSTEM)
-  NEW TYPE B PULLBOX (HIGHWAY LIGHTING SYSTEM)
-  EXISTING TRAFFIC SIGNAL CONTROLLER
-  EXISTING PULLBOX
-  EXISTING OVERHEAD DETECTOR & FOUNDATION TO BE REMOVED
-  EXISTING TRAFFIC SIGNAL DUCTLINE WITH NEW CABLES AS REQUIRED
-  NEW TRAFFIC SIGNAL DUCTLINE (CONDUITS & CABLES AS REQUIRED)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-75	1978	2	79

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

11-15-77	Note 13, Note 14
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPGRADE TRAFFIC SIGNALS
AT VARIOUS LOCATIONS
MISCELLANEOUS NOTES
PROJECT NO. HWY-0-03-75
Scale: Not to Scale Date: April, 1977
SHEET NO.   OF   SHEETS