

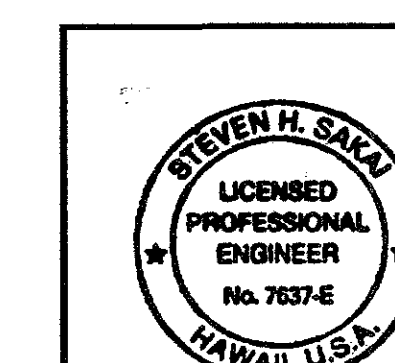
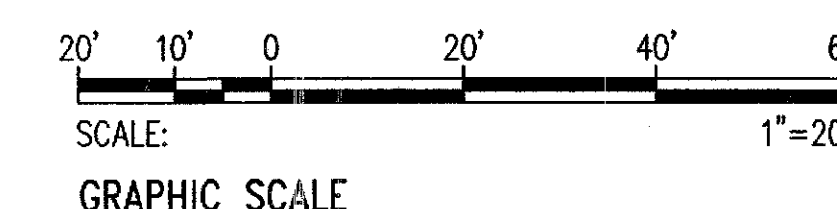
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0001 (30)	2007	31	89

# ITEMS OF WORK:

- NEW OVERHEAD TRAFFIC CONTROL WIRING INSTALLED ON EXISTING HECO POLES.
- PROVIDE NEW TRAFFIC CONTROL WIRING IN EXISTING TRAFFIC SIGNAL CONDUIT. TYPE AS INDICATED.
- NEW UNDERGROUND TRAFFIC CONTROL RACEWAY WITH FIBER OPTIC CABLE.
- NEW FIBER OPTIC CABLE RISER AT EXISTING HECO POLE. PROVIDE 3" GRS CONDUIT RISER AT POLE, FROM FINISHED GRADE TO 30" BELOW CONNECTION POINT. SEAL AROUND CABLE AT END OF RISER. SEE DETAIL B/E-42.
- PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT POWER IN EXISTING CONDUIT.
- PROVIDE NEW CAMERA ON EXISTING MAST ARM. SEE DETAIL A/E-42 FOR MOUNTING.
- BREAK AND PATCH EXISTING TRAFFIC CONTROL PULLBOX FOR INSTALLATION OF NEW CONDUIT.
- NEW CCTV EQUIPMENT CABINET. LOCATE MINIMUM OF 4'-0" FROM EXISTING TRAFFIC SIGNAL CONTROL CABINET.
- SAWCUT AND PATCH SIDEWALK AND CURB FOR THE INSTALLATION OF NEW CONDUIT.
- NEW OVERHEAD FIBER OPTIC CABLE INSTALLED ON EXISTING HECO POLES. PROVIDE 3/16" EXTRA HIGH STRENGTH STEEL MESSENGER, 1800 LBS TENSION, BETWEEN EXISTING HECO POLES. LASH 72-STRAND FIBER OPTIC SINGLE MODE CABLE TO MESSENGER. SEE DETAIL B/E-42.
- SAWCUT AND PATCH ROADWAY OR AC PAVEMENT FOR NEW CONDUIT INSTALLATION. EXTENT OF SAWCUT AS INDICATED.
- NEW 2"C, PROVIDE CCTV POWER CABLES, CCTV CONTROL CABLES, AND TWO COAXIAL VIDEO CABLES.
- INSTALL NEW CCTV POWER CABLE AND COAXIAL VIDEO CABLE IN EXISTING CONDUIT. CONTRACTOR TO COORDINATE WITH DTS TRAFFIC SIGNAL AND TECHNOLOGY DIVISION, ANY INTERRUPTION TO THE EXISTING TRAFFIC SIGNAL SYSTEM. SEE TRAFFIC CONTROL PLANS.
- PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT CABINET POWER, IN NEW CONDUIT.
- 3"C, 3-1" INNER DUCT. PROVIDE TWO 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCTS.
- 3"C, 3-1" INNER DUCT. PROVIDE ONE 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCT.
- REPLACE EXISTING TRAFFIC SIGNAL PULLBOX WITH NEW TYPE B TRAFFIC SIGNAL PULLBOX. SEE DETAIL B/E-40.
- PROVIDE NEW GUY AND ANCHOR.
- NEW TYPE B TRAFFIC CONTROL PULLBOX. SEE DETAIL B/E-40.
- EXISTING TRAFFIC SIGNAL CONTROL CABINET. CONNECT TO EXISTING POWER CIRCUIT AND EXTEND TO NEW CCTV EQUIPMENT CABINET.
- EXISTING STORM DRAIN. CONTRACTOR TO OBSERVE BEST MANAGEMENT PRACTICES AND TAKE MEASURES AS REQUIRED.

## NOTES:

- BID ITEM FOR KAMEHAMEHA HIGHWAY/LIKEHIGHWAY/ KANEHOE BAY INTERSECTION SHALL INCLUDE INSTALLATION OF UNDERGROUND TRAFFIC SIGNAL DUCTLINE FROM THE INTERSECTION TO EXISTING POLE P43, AND EXISTING POLE P42. SEE SHEET E-13.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*Steven H. Saku*

LIC. EXPIRATION: 4/30/08

REVISION	DATE	BRIEF	BY	APPROVED
DEPARTMENT OF TRANSPORTATION SERVICES CITY AND COUNTY OF HONOLULU FEDERAL AID NO. STP-0001(30) COMPUTERIZED TRAFFIC CONTROL SYSTEM PHASE 9  KAMEHAMEHA HWY/KANEHOE BAY DR/ LIKEHIGHWAY INTERSECTION CCTV PLAN  ENGINEER: GTN DATE: MARCH 2007 DRAFTSMAN: SS SCALE: AS NOTED CHK. BY: REF. APPROVED: APPROVED: DIRECTOR: DIVISION ENGINEER				

## KAMEHAMEHA HWY/KANEHOE BAY DR/LIKEHIGHWAY INTERSECTION CCTV PLAN

SCALE: 1"=20'

