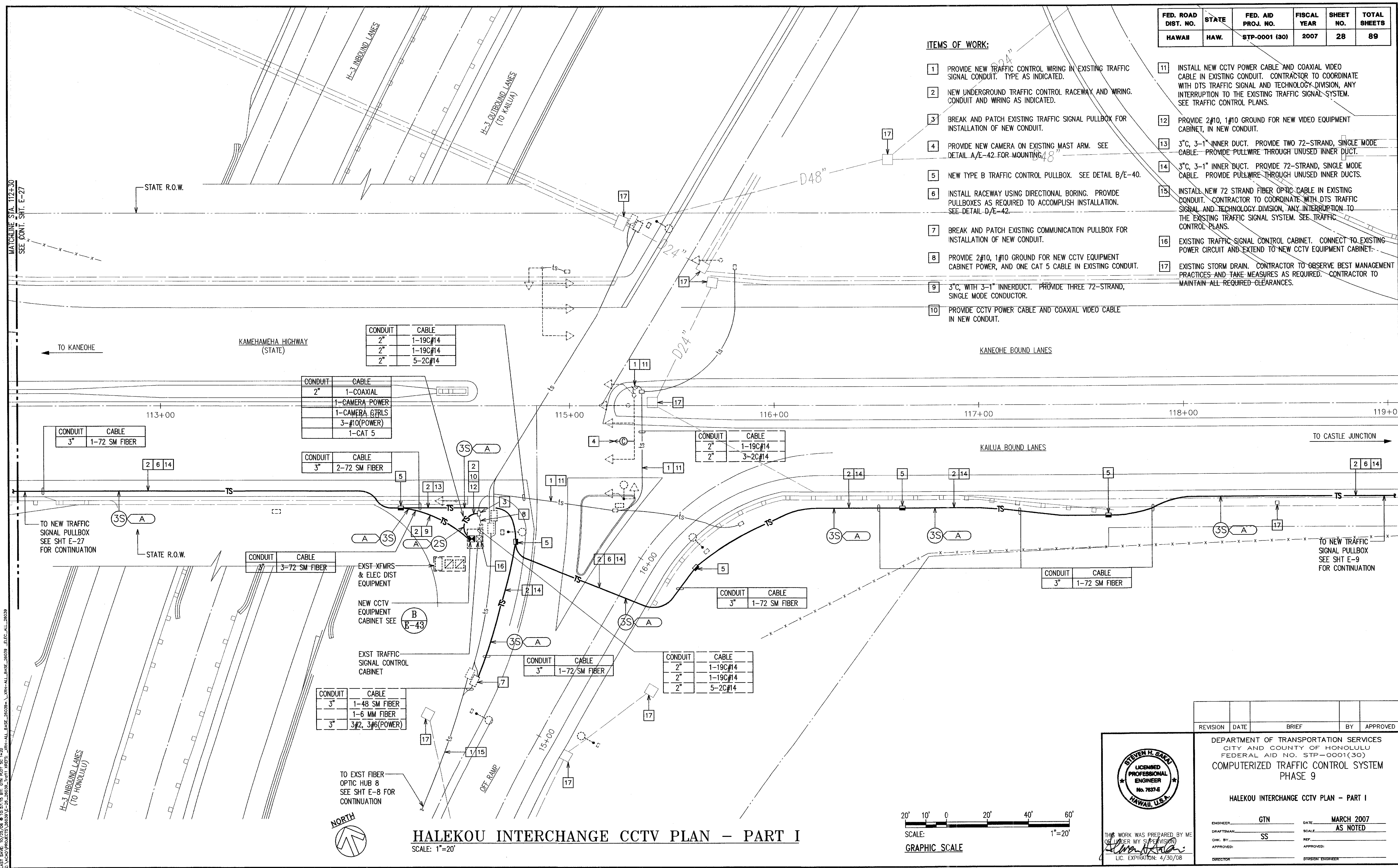


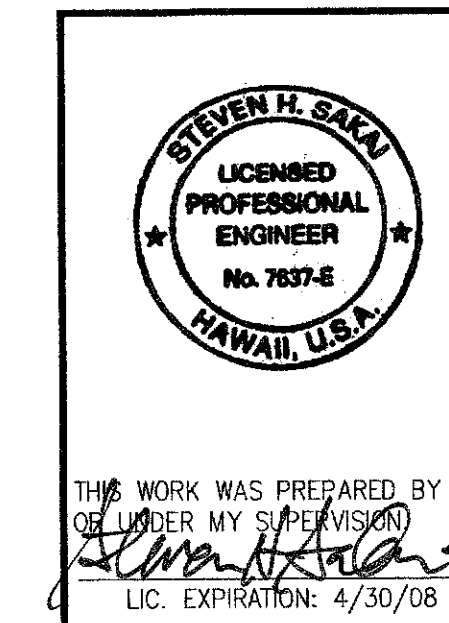
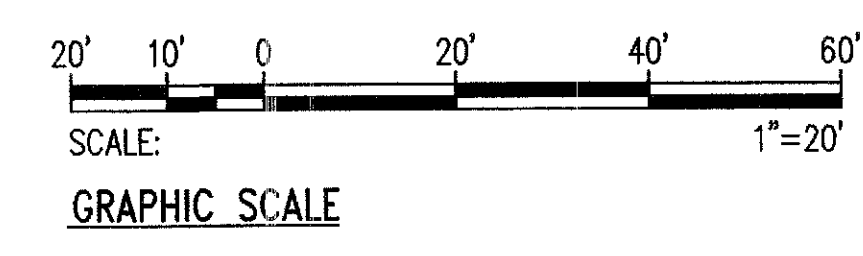
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0001 (30)	2007	28	89

ITEMS OF WORK:

1. PROVIDE NEW TRAFFIC CONTROL WIRING IN EXISTING TRAFFIC SIGNAL CONDUIT. TYPE AS INDICATED.
2. NEW UNDERGROUND TRAFFIC CONTROL RACEWAY AND WIRING. CONDUIT AND WIRING AS INDICATED.
3. BREAK AND PATCH EXISTING TRAFFIC SIGNAL PULLBOX FOR INSTALLATION OF NEW CONDUIT.
4. PROVIDE NEW CAMERA ON EXISTING MAST ARM. SEE DETAIL A/E-42 FOR MOUNTING.
5. NEW TYPE B TRAFFIC CONTROL PULLBOX. SEE DETAIL B/E-40.
6. INSTALL RACEWAY USING DIRECTIONAL BORING. PROVIDE PULLBOXES AS REQUIRED TO ACCOMPLISH INSTALLATION. SEE DETAIL D/E-42.
7. BREAK AND PATCH EXISTING COMMUNICATION PULLBOX FOR INSTALLATION OF NEW CONDUIT.
8. PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT CABINET POWER, AND ONE CAT 5 CABLE IN EXISTING CONDUIT.
9. 3" C, WITH 3-1" INNER DUCT. PROVIDE THREE 72-STRAND, SINGLE MODE CONDUCTOR.
10. PROVIDE CCTV POWER CABLE AND COAXIAL VIDEO CABLE IN NEW CONDUIT.
11. 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.
12. PROVIDE 2#10, 1#10 GROUND FOR NEW VIDEO EQUIPMENT CABINET, IN NEW CONDUIT.
13. 3" C, 3-1" INNER DUCT. PROVIDE TWO 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCT.
14. 3" C, 3-1" INNER DUCT. PROVIDE 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCTS.
15. INSTALL NEW 72 STRAND FIBER OPTIC 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.
16. EXISTING TRAFFIC SIGNAL CONTROL CABINET. CONNECT TO EXISTING POWER CIRCUIT AND EXTEND TO NEW CCTV EQUIPMENT CABINET.
17. EXISTING STORM DRAIN. CONTRACTOR TO OBSERVE BEST MANAGEMENT PRACTICES AND TAKE MEASURES AS REQUIRED. CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.



HALEKOU INTERCHANGE CCTV PLAN - PART I SCALE: 1"=20'



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

HALEKOU INTERCHANGE CCTV PLAN - PART I

ENGINEER: GTN DATE: MARCH 2007
DRAFTSMAN: SS SCALE: AS NOTED
CHECKED BY: REF.
APPROVED: DIVISION ENGINEER

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0001 (30)	2007	29	89

ITEMS OF WORK:

- 1 PROVIDE NEW TRAFFIC CONTROL WIRING THROUGH EXISTING TRAFFIC SIGNAL CONDUIT. TYPE AS INDICATED.
- 2 NEW UNDERGROUND TRAFFIC CONTROL RACEWAY AND WIRING. CONDUIT AND WIRING AS INDICATED.
- 3 BREAK AND PATCH EXISTING TRAFFIC SIGNAL PULLBOX FOR INSTALLATION OF NEW CONDUIT.
- 4 PROVIDE NEW CAMERA ON EXISTING MAST ARM. SEE DETAIL A/E-42 FOR MOUNTING.
- 5 NEW TYPE B TRAFFIC CONTROL PULLBOX. SEE DETAIL B/E-40.
- 6 INSTALL RACEWAY USING DIRECTIONAL BORING. PROVIDE PULLBOXES AS REQUIRED TO ACCOMPLISH INSTALLATION. SEE DETAIL D/E-42.
- 7 SAWCUT AND PATCH AC PAVEMENT.
- 8 PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT CABINET POWER, AND ONE CAT 5 CABLE, IN EXISTING CONDUIT.
- 9 NEW 3" C, PROVIDE CCTV POWER CABLE, CCTV CONTROL CABLES, COAXIAL VIDEO CABLE AND TWO 72-STRAND FIBER OPTIC CABLES.
- 10 INSTALL NEW CCTV POWER CABLE, CCTV CONTROL CABLES, 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.

11. PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT CABINET POWER, IN NEW CONDUIT.
12. 3"C, 3-1" INNER DUCT. PROVIDE 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCTS.
13. PROVIDE CCTV POWER CABLE, CCTV CONTROL CABLES, AND COAXIAL VIDEO CABLE IN NEW CONDUIT.
14. EXISTING STORM DRAIN. CONTRACTOR TO OBSERVE BEST MANAGEMENT PRACTICES AND TAKE MEASURES AS REQUIRED.
15. EXISTING DRAINAGE CANAL. CONTRACTOR TO FOLLOW BEST MANAGEMENT PRACTICES AND TAKE MEASURES AS REQUIRED TO PREVENT SEDIMENT AND DEBRIS GENERATED BY HIS WORK FROM ENTERING THE CANAL.
16. EXISTING TRAFFIC SIGNAL CONTROL CABINET. CONNECT TO EXISTING POWER CIRCUIT AND EXTEND TO NEW CCTV-EQUIPMENT CABINET.
17. EXISTING PADMOUNTED TRANSFORMER. CONTRACTOR TO EXERCISE EXTREME CAUTION TO AVOID DAMAGING EXISTING UTILITY LINES.

CONDUIT	CABLE
2"	1-26C#14
2"	1-26C#14

CONDUIT	CABLE
2"	1-26C#14
2"	1-19C#14, 1#8 B

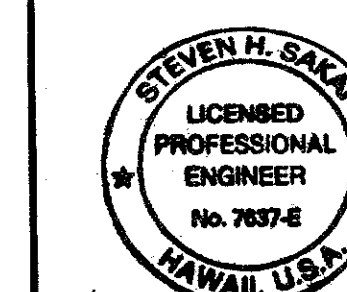
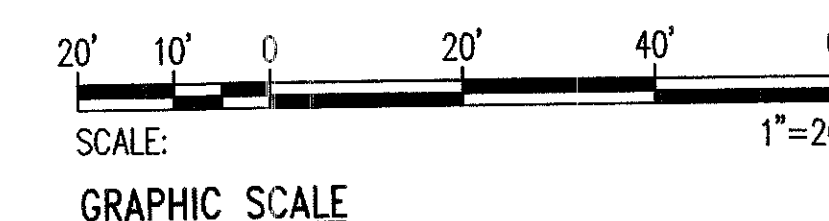
CONDUIT	CABLE
2"	1-COAXIAL
	1-CAMERA POWER
	1-CAMERA CTRLS
	3-#10(POWER)
	1-CAT 5 CABLE

CONDUIT	CABLE
3"	2-72 SM FIBER
	1-COAXIAL
	1-CAMERA POWER
	1-CAMERA CTRL
	3-#10(POWER)
	1-CAT 5 CABLE

CONDUIT	CABLE
3"	1-72 SM FIBER

HALEKOU INTERCHANGE CCTV PLAN - PART II
SCALE: 1"=20'

SCALE: 1"=20'



DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU
FEDERAL AID NO. STP-0001(30)
COMPUTERIZED TRAFFIC CONTROL SYSTEM
PHASE 9

HALEKOU INTERCHANGE CCTV PLAN - PART II

ENGINEER _____ GTN _____ DATE _____ MARCH 2007
DRAFTSMAN _____ SCALE _____ AS NOTED
CHK. BY _____ SS _____ REF _____
APPROVED: _____ APPROVED: _____

INTERCOM PLACEMENT

Sheet No. 29 of 48 Sheets

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