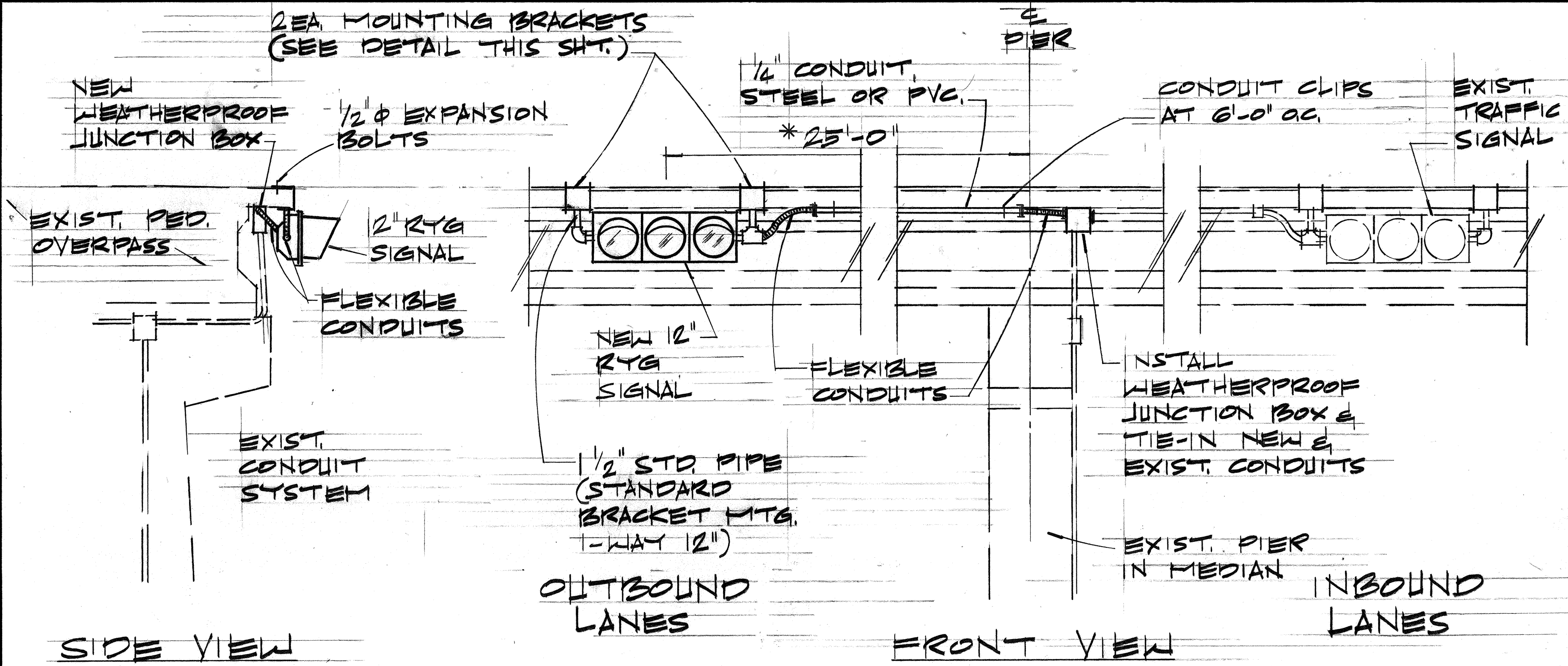
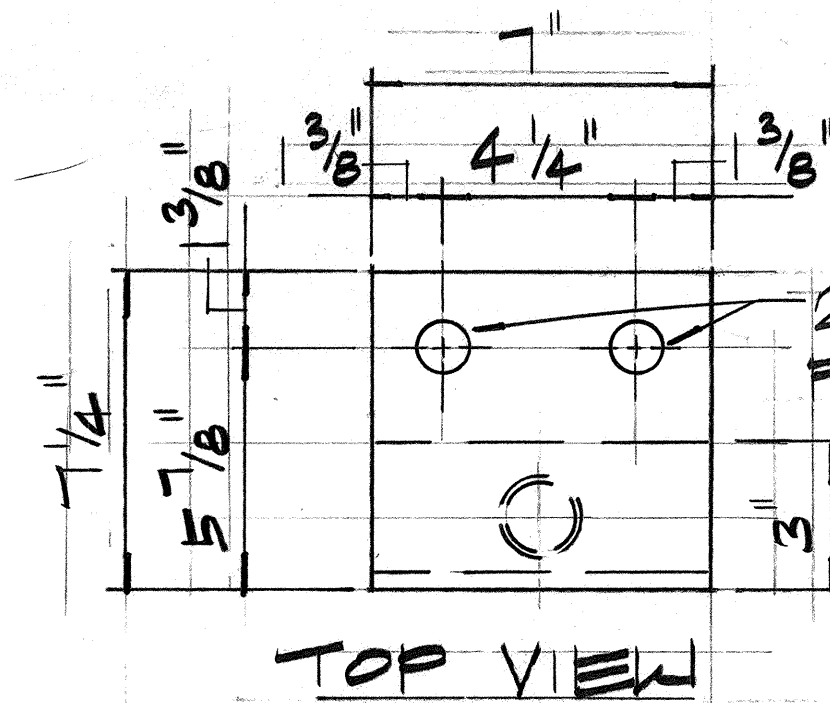


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY 0-03-75	1978	C.O. 42 S-1	79



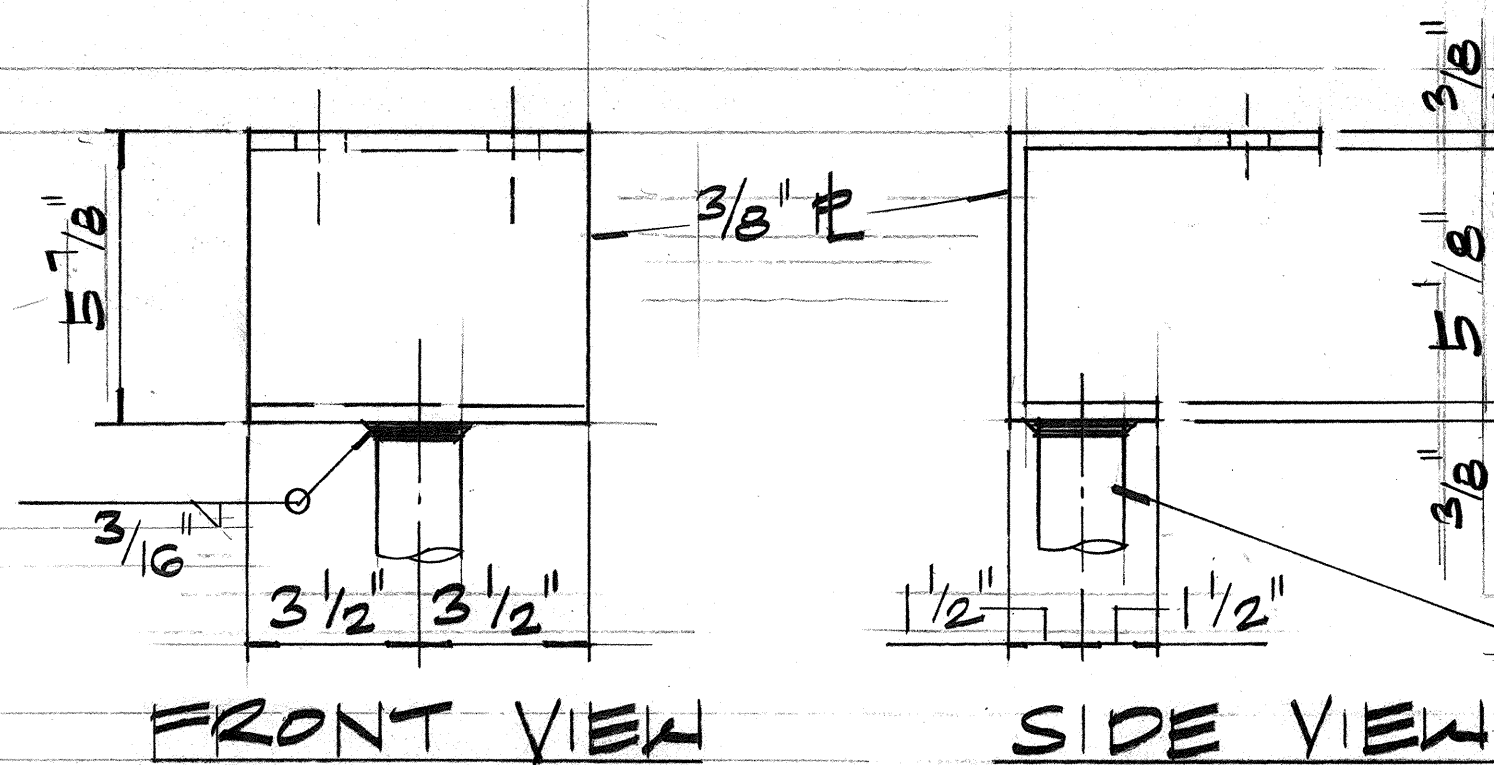
TRAFFIC SIGNAL MOUNTED ON PEDESTRIAN OVERPASS

NOT TO SCALE



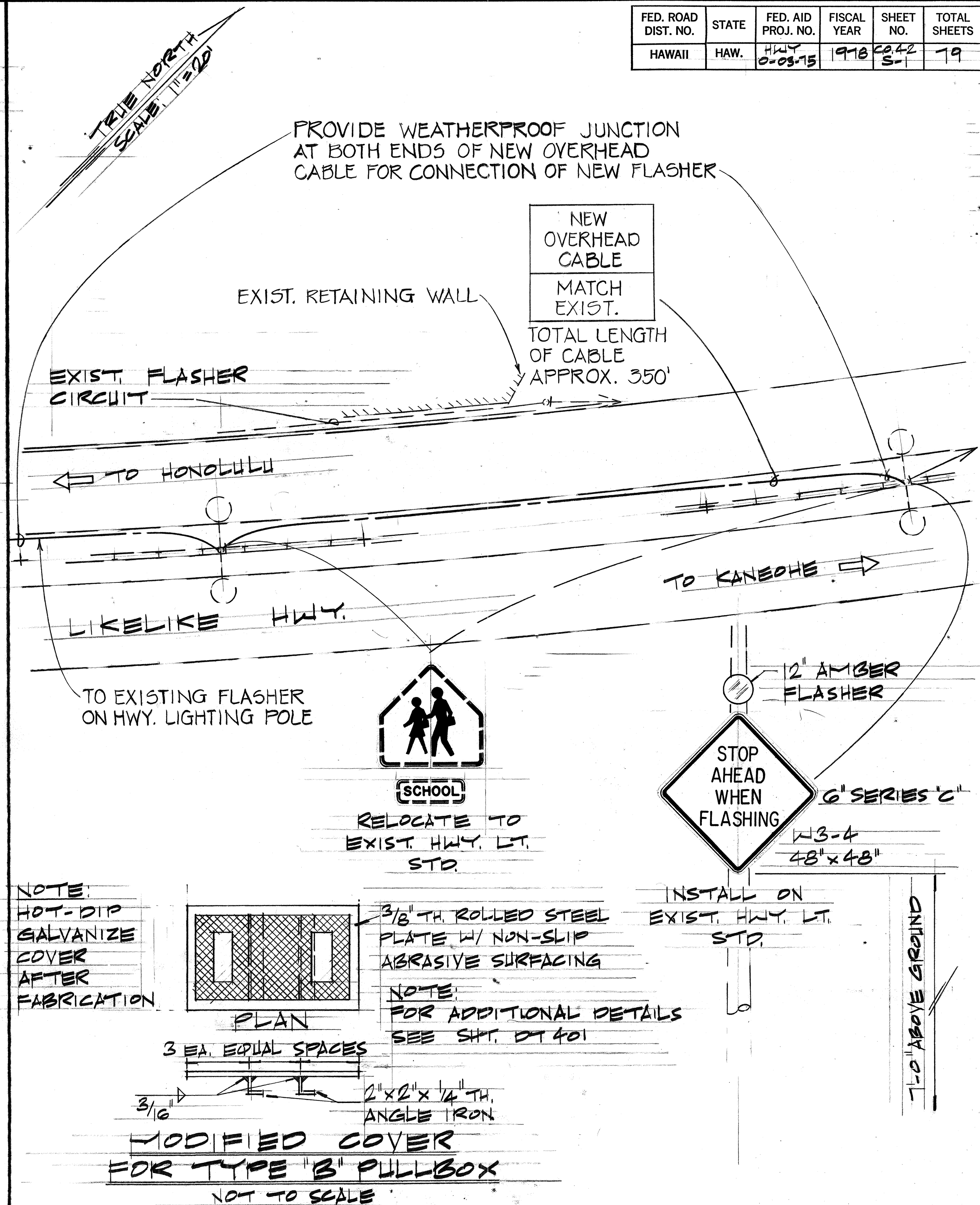
NOTE:
HOT DIP GALVANIZE AFTER FABRICATION

*NOTE:
EXACT LOCATION OF NEW TRAFFIC SIGNAL SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.



MOUNTING BRACKET DETAIL

NOT TO SCALE



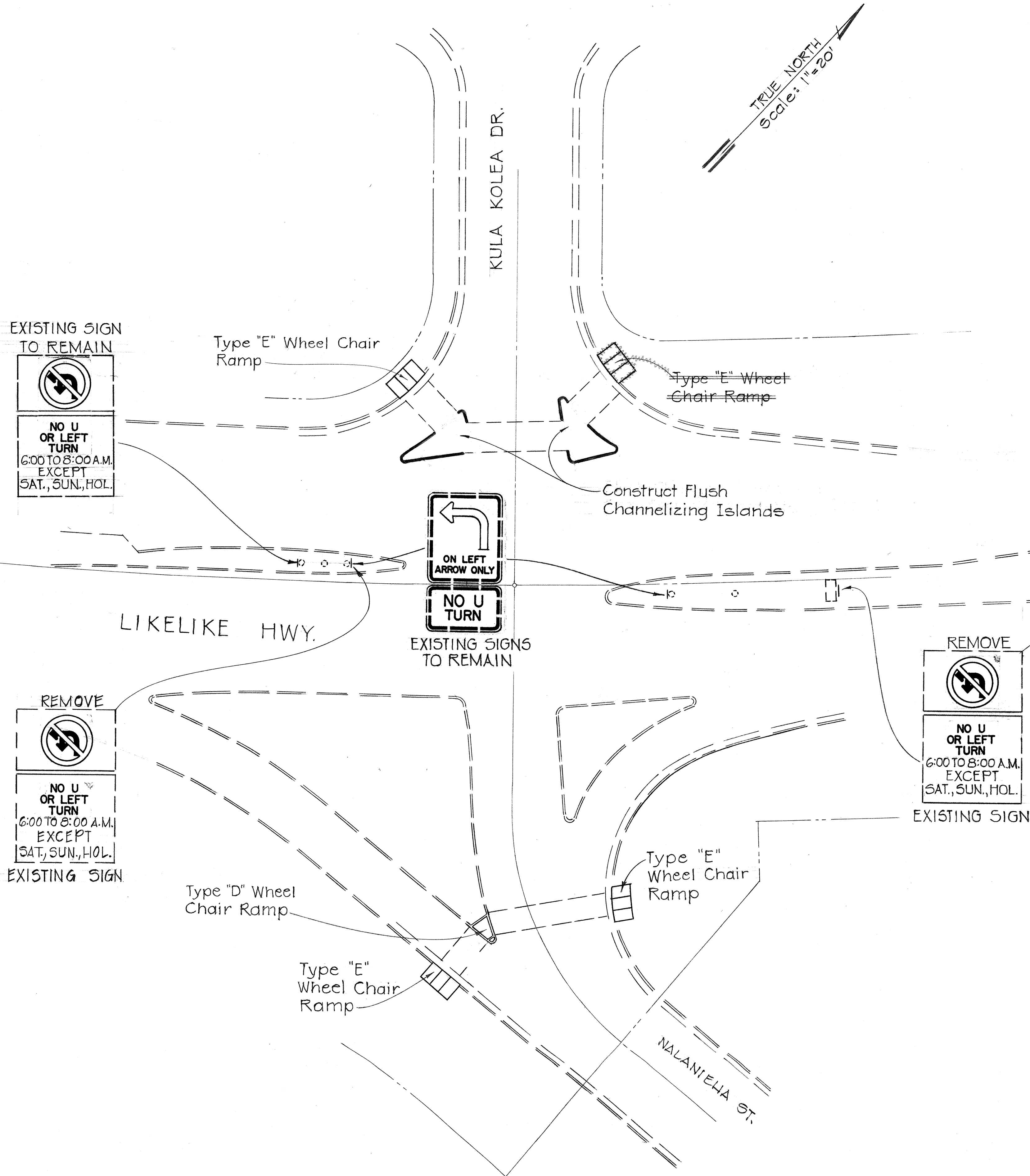
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION					
UPGRADE TRAFFIC SIGNALS AT VARIOUS INTERSECTIONS LIKELIKE HWY. - KULA KOLEA					
PROJ. NO. HWY. 0-03-75					
SCALE: AS SHOWN OCT. 1978					
SHEET NO. OF SHEETS					

C.O. 42 S-1

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

QUANTITY SUMMARY FOR KULA KOLEA AT LIKELIKE HIGHWAY		
ITEM NO.	QUANTITY	DESCRIPTION
623.2001	1 Ea.	New Multi Phase Controller and Foundation
623.3070	1 Ea.	Revise Existing 12" RY↑ Traffic Signal Head to display RYG indication
623.4300	2 Ea.	New Pedestrian Signal Head with Type IV Mounting
623.4600	2 Ea.	Pedestrian Pushbutton with R10-4a Sign
623.5000	635 L.F.	Two-inch Conduit
623.7020	1,120 L.F.	Two Conductor No. 14 Loop Detector Cable
623.7030	460 L.F.	No. 14, 26-conductor Traffic Control Loop Cable
623.6010	2 Ea.	Type "B" Pullbox
623.8040	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 4 Loops
623.8050	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 6 Loops
623.8060	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 2 Loops
650.0040	1 Ea.	Type "D" Wheel Chair Ramp
650.0050	4 Ea.	Type "E" Wheel Chair Ramps
655.0010	2 Ea.	Flush Channelizing Island
	240 L.F.	Pedestrian Pushbutton Control Cable (1-2c #14)

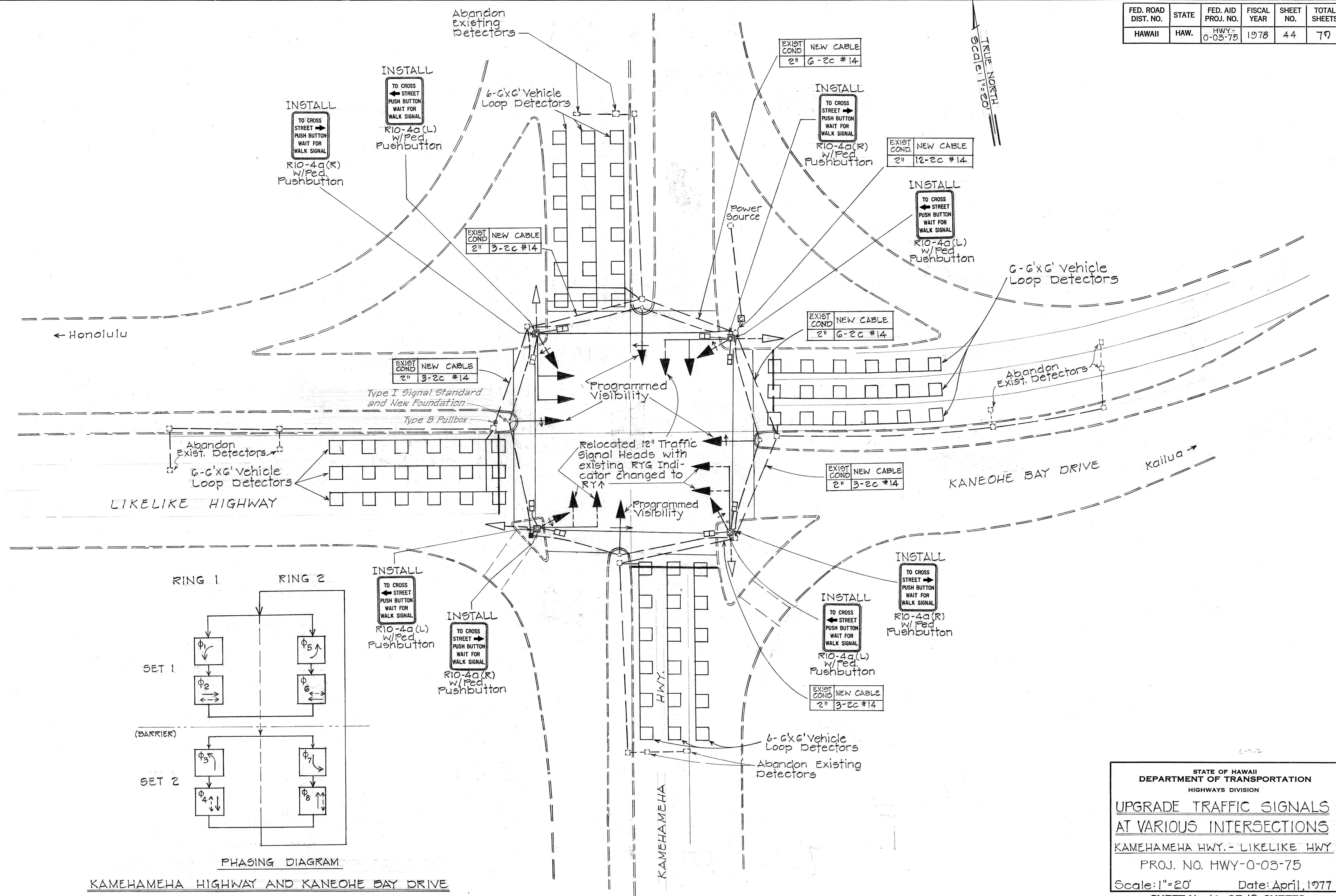
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



11/15/77 Quantity Summary
Date Revision

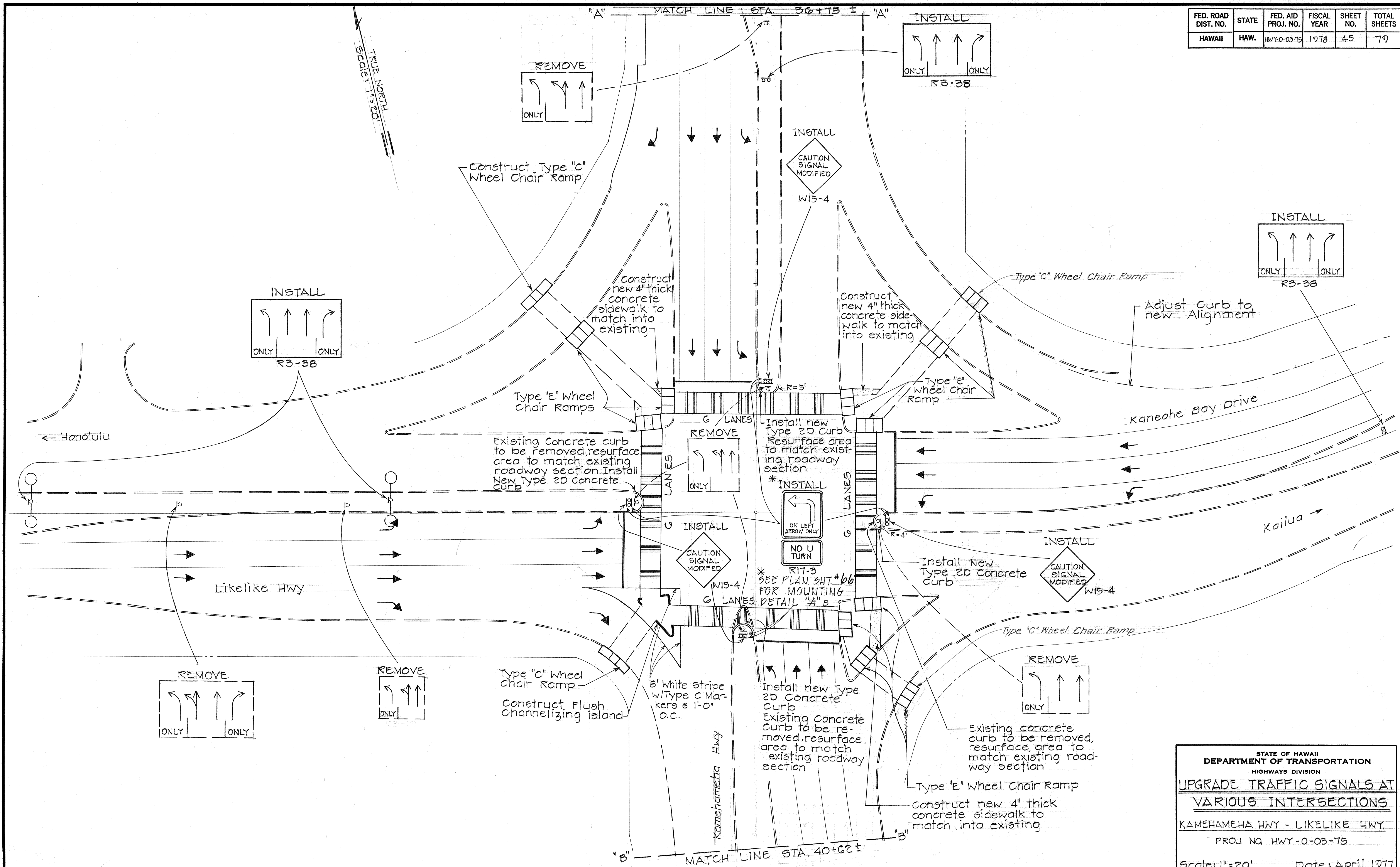
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPGRADE TRAFFIC SIGNALS
AT VARIOUS INTERSECTIONS
LIKELIKE HWY. - KULA KOLEA
PROJ. NO. HWY. 0-03-75
Scale: 1"=20' Date: April 1977
SHEET NO. 39 OF 49 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY- 0-03-75	1978	44	79



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-75	1978	45	79

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
DATE	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**UPGRADE TRAFFIC SIGNALS AT
VARIOUS INTERSECTIONS**

KAMEHAMEHA HWY - LIKELIKE HWY

PROJ. NO. HWY-0-03-75

Scale: 1"=20' Date: April, 1977

SHEET NO. 41 OF 49 SHEETS

QUANTITY SUMMARY FOR KAM HWY - LIKELIKE HIGHWAY					
	QUANTITY		DESCRIPTION		
621.5200	2 Ea.	Install	R3-38 Sign w/o Post		
621.5300	5 Ea.	Install	R3-38 Sign w/Post		
621.5200	4 Ea.	Install	R17-3 Sign w/o Post		
621.5300	4 Ea.	Install	R17-3 Sign w/Post		
621.5600	4 Ea.	Install	Temporary W15-4 Sign w/o Post		
623.3067	5 Ea.	Change existing	RYG indication to RYA indication on relocated 12" traffic Signal Head with Type VI Mounting		
623.3003	4 Ea.	One new 12" R,Y, ←	Programmed Visibility Traffic Signal Head with Type IA Mounting		
623.2016	4 Ea.	Type II Traffic Signal Standard	with 30 Foot Mastarm and Foundation		
623.3061	3 Ea.	One new 12" R,Y, ↑	Traffic Signal Head with Type VI Mounting		
623.3045	4 Ea.	One relocated 12" R,Y, ←	Traffic Signal Head and one relocated 12" RYG Traffic Signal Head w/Type VI Mounting		
623.4600	8 Ea.	Pedestrian Pushbutton	with R10-4a Sign		
623.2001	1 Ea.	Furnish and install	new multi-Phase Controller		
623.4400	4 Ea.	Two new Pedestrian Signal Heads	with Type VI Mounting		
623.6010	5 Ea.	Type "B" Pullbox			
623.5000	895 L.F.	Two-inch conduit			
623.8050	12 Ea.	Loop Detector Sensing Unit	6 Loops (6 Ft x 6 Ft.)		
623.7030	400 L.F.	26-Conductor No. 14 Loop Control Cable			
	590 L.F.	Pedestrian Pushbutton Control Cable	(1-2c #14)		
623.7020	1150 L.F.	1-2c #14 Loop Detector Cable			
629.2040	160 Ea.	Type "C" Pavement Markers			
629.1010	320 L.F.	Pavement Striping			
629.1020	24 Lanes	Crosswalk marking			
629.1030	34 Ea.	Pavement Arrows			
650.0030	2 Ea.	Type "C" Wheel Chair Ramp			
650.0050	11 Ea.	Type "E" Wheel Chair Ramp			
655.0010	1 Ea.	Flush Channelizing Island			
608.0200	19 SY.	Concrete Sidewalk			
609.2020	70 L.F.	Type 2D Concrete Curb			

INTERSECTION NOTES:

1. All Regulatory and Warning Signs shall be installed in place on the day of the signal modification.
2. The W15-4 Sign (Caution Signals Modified) shall remain in place for three weeks after the day of the signal modification and subsequently removed. All removal costs shall be incidental to the contract items.
3. Median nose shall be cut back as shown on the plan, New Type 2D concrete curb shall be installed, and the existing area shall be resurfaced to match existing roadway section. All costs shall be considered incidental to Type 2D Concrete Curb.
4. All existing pavement arrows on the approaches to the intersection shall be removed.
5. All existing solid and dashed guide lines in the intersection shall be removed. This is to accomodate new signal phasing and new lane use.
6. The new Traffic Signal Controller shall be wired to provide for the following flashing operation.

Φ2 & Φ6 : YELLOW
Φ4 & Φ8 : RED

All others Blank

7. Install new No. 14 26-Conductor Traffic Loop Control cable and new 2-inch conduit to run with existing loop control cable.

11/16/77	Quantity Summary, Note 7
Date	Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS AT
VARIOUS INTERSECTIONS

KAMEHAMEHA HWY. - LIKELIKE HWY.
PROJ. NO. HWY-0-03-75

Scale: 1" = 20' Date: April, 1977

SHEET No. 42 OF 49 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY	CHECKED BY	
QUANTITIES BY		
NO.		

