FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-IR-H1-1(216)	1994	14	32

TRAFFIC SIGNAL NOTES

1. The locations of the traffic signal standards, traffic signal standards with mast-arm, pedestrian push buttons, traffic controller, pullboxes, conduits and loop detectors shall be staked out in the field by the Contractor and approval of the locations shall be obtained from the Engineer prior to construction and installation.
2. All traffic signal controller equipment shall be completely wired in the cabinet and shall control the traffic signals as called for in the plans.
3. All splicing shall be done in the pullboxes.
4. Furnishing and installing conduit stubouts (pullboxes to edge of pavement) will not be paid for separately but shall be considered incidental to the various contract items.
5. A solid #8 bare copper wire shall be pulled with the traffic signal control cable for equipment ground. Cost shall be incidental to the installation of the control cable.
6. All existing Pull Boxes, Traffic Signal Poles and Controller Bases not incorporated into the new Traffic Signal System shall be removed to 6 inches below grade and shall be restored to match existing conditions. This work will not be paid for separately but shall be considered incidental to the various contract items.
7. Existing Loop Detectors and conduits not incorporated into the new Traffic Signal System shall be abandoned in place. Abandoned conduits shall be plugged with concrete. Remove unused existing cables.
8. Existing Traffic Signal Poles, Mast Arms, Heads and Controllers which are removed and not incorporated into the new Traffic Signal System shall be delivered to the Highways Maui Baseyard or as directed by the Engineer.
9. The Contractor shall clean and/or repair the existing traffic signal pullboxes to be used prior to installing conduits and cables. This work will not be paid for separately but shall be considered incidental to the various contract items.
10. Locations of existing underground structures and utilities such as pipe lines, conduits, cables, etc., shown on plans are approximate only. It is not the intent of these plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.
11. The Traffic Signals shall be kept operational during construction. Any relocation required shall be approved by the Engineer and paid for by the Contractor.

TRAFFIC SIGNAL LEGEND

- New Traffic Signal Controller
- Existing Traffic Signal Controller
- New Traffic Signal Conduits and Cables
- Existing Traffic Signal Conduits and Cables
- New 12" RYG Traffic Signal Head
- New 12" RY↑ Traffic Signal Head
- Existing 12" RYG Traffic Signal Head
- New 12" RYG Traffic Signal Head w/Back Plate
- New 12" RY↑ Traffic Signal Head w/Back Plate
- New 12" RY← Traffic Signal Head
- New 12" RY→ Traffic Signal Head
- New Type II Traffic Signal Standard w/Mast Arm and Traffic Signal Heads
- New 12" RY← Traffic Signal Head (Programmable Visibility)
- Exist. 12" RY← Traffic Signal Head (Programmable Visibility)
- Existing Type II Traffic Signal Standard w/Mast Arm and Traffic Signal Heads
- New Pedestrain Signal Head
- Existing Pedestrain Signal Head
- New Type A Pullbox
- Existing Type A Pullbox
- New Type B Pullbox (Traffic Signal)
- Existing Type B Pullbox
- New Loop Detector
- Existing Loop Detector

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK tol.elaine	DRAWN BY R. Arii	5/94
No. 51hlttsleg.dgn	TRACED BY	
	DESIGNED BY G. Tanaka	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL LEGEND & NOTES

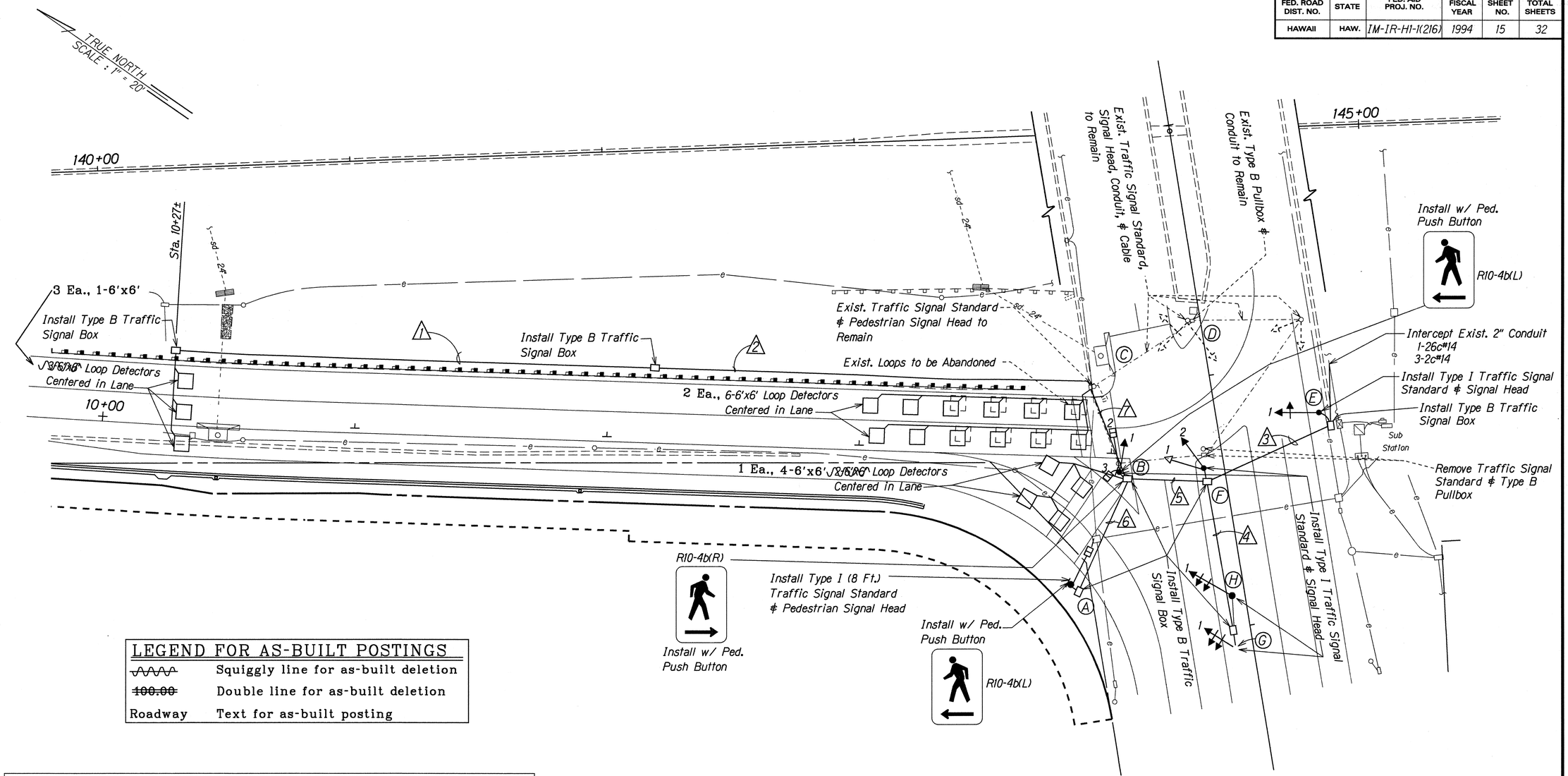
INTERSTATE ROUTE H-1

Eastbound Off Ramp Improvements at Pali Highway
Project No. IM-IR-H1-1(216)

Scale: 1"=20' Date: May, 1994

SHEET No. T6 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-IR-H1-1(216)	1994	15	32



LEGEND FOR AS-BUILT POSTINGS

~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

SURVEY PLOTTED BY	DATE 3/94
DRAFTED BY Elaine Isobe	
TRACED BY	
DESIGNED BY George Tanaka	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK dated	

TRAFFIC SIGNAL HEAD SCHEDULE

Traffic Signal Head Type and Description	12" RYG Traffic Signal Head	12" RY↑ Traffic Signal Head	12" RY← Traffic Signal Head	12" RY→ Traffic Signal Head	Pedestrian Signal Head
Pole Letter Signal Head Number	F-1	B-1 F-2	E-1	G-1 H-1	A-1 B-2 B-3

* With Programmed Visibility

TRAFFIC SIGNAL SYSTEM CONDUIT AND CABLE SCHEDULE

	DELTA ITEM NO. (△)						
	△1	△2	△3	△4	△5	△6	△7
QUANTITY OF 2" C, SEE NOTE NO. 1	1	1	2	2	2	1	3
SPARE				1			1
QUANTITY OF 26/C #14 CONTROL CABLE			1	1	1	1	1
QUANTITY OF 2/C #14 SHIELDED LOOP DETECTOR AND PEDESTRIAN PB CABLE	1	1	3		3	1	3

NOTE: 1. ALL CONDUITS SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE NOTED.

DATE	REVISION
1/10/95	Revise location on new traffic signal standard and add an additional standard. Revise conduit & cable schedule.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN
INTERSTATE ROUTE H-1

Eastbound Off Ramp Improvements at Pali Highway
F. A. Project No. IM-IR-H1-1(216)

Scale: 1"=20' Date: Jan. 1992

SHEET No. T7 OF 10 SHEETS

C.O. 15