GENERAL NOTES FOR CONSTRUCTION, MAINTENANCE AND PROTECTION OF TRAFFIC, AND TEMPORARY SIGNING:

- 1. All service from existing utilities that are to remain or are to be relocated shall be maintained at all times unless special approval is obtained from the Engineer for the temporary discontinuation of service.
- 2. Contractor is to maintain two lanes of traffic in both directions at all times on Moanalua Road. Exceptions must be approved by the Engineer.
- 3. Contractor shall maintain vehicular access to buildings #302, 303 and 304 within the North Halawa Housing area at all times.
- 4. The Traffic Signal System at the Moanalua Road/Halawa Heights Road/Saratoga Drive Intersection must be maintained at all possible times. Shut-down times for the relocation and reconstruction of the existing Traffic Signal System are to be approved by the Engineer; and at such times, Contractor shall arrange for the adequate police protection of the Intersection.
- 5. The existing Traffic Signal System at the Moanalua Road/Argonaut Avenue/Hale Street Intersection must be maintained at all times until existing left-turn movements at that Intersection are eliminated.
- 6. All utilities, guard rail, lighting, signing, and other related work shall be performed completely or to the extent necessary in such timely sequence as to preclude duplication of efforts (as re-excavation for installation of utilities) and hazardous roadside construction (as installation of quard rails or signs on roadways open to public traffic).
- 7. Scarifying and removal of pavement section and restoring ground, guard rails and other items to original condition upon completion of the project shall be considered incidental to the various contract items.
- 8. Unless noted otherwise, exact locations of signs, barricades and traffic drums shall be determined in the field by the Engineer.
- 9. The shape, color, dimensions, symbols, wording, lettering and reflectorizing of all temporary warning, regulatory construction and maintenance signs shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways", dated June 1961 and the BPR Manual "Standard Highway Signs", dated September 1961, unless otherwise specified.
- 10. All relocations of temporary warning, regulatory, construction and maintenance signs, posts, barricades, and traffic drums during construction are to be considered incidental to the construction.
- 11. Contractor may substitute portable or temporary mountings for post mountings for construction and maintenance signs with the approval of the Engineer.
- 12. All proposed construction shown as to be done by others (Project No.I-HI-I(77):/3) such as pavement, grading, fencing and guard rail, may not have been initiated or completed as indicated at the start of construction for this contract. Additional excavation and/or the furnishing and installation of additional quantities of items required to complete construction (as directed by the Engineer), which may not have been accomplished under the adjacent contract, shall then be paid for at the contract unit bid price for the respective items.
- 13. Location of Interstate System Construction Identification Signs and Project Information Signs shall be determind in the field by the Engineer.
- 14. All painted pavement markings shown on Sheet 20_
- 15. Contractor is responsible for maintaining all signs in good condition during the life of the Project.
- 16. For details of Project Information Signs see Sheet 47.

TEMPORARY DIRECTIONAL SIGNS

HALAWA HTS RD KEEP RIGHT

H-I FREEWAY NEXT RIGHT

Sign T-1 (8'-0" x 4'-6")

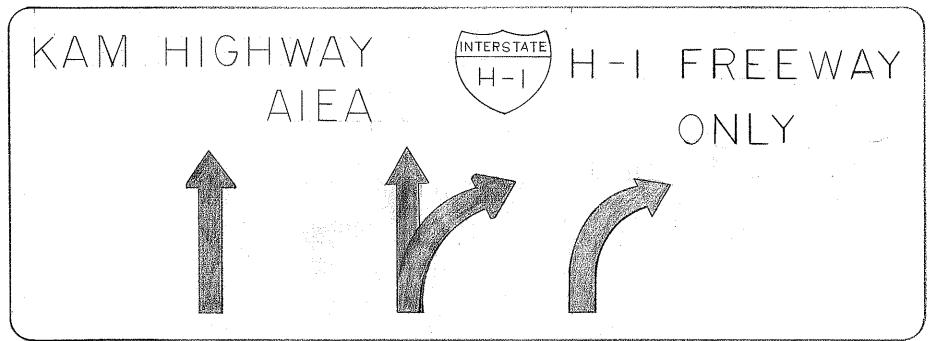
AIEA

KEEP RIGHT

5ign T-2(6'-6"x2'-6")

KAM HIGHWAY KEEP LEFT

5ign T-3 (7'-0"x2'-6")



Sign T-4 (19'-0" x 7'-0") with 24" x 24" Route Marker

HALAWA HTS RD

Sign T-5 (8'-0"x 2'-6") with 20"x 1114" Standard Arrow

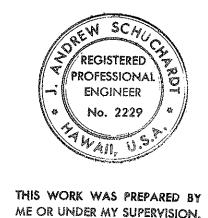
- '. Exact location of temporary directional signs shall be determined in the field by the Engineer.
- 2. Signs are to remain beyond completion of project.
- 3. Design of series "D" capital letters and digits and intercharacter spacing for line messages shall meet the requirements established by the Bureau of Public Roads, U.S. Department of Commerce, in its reference guide, "Standard Alphabets for Highway Signs", 1966 Edition. Revisions to sign panel layouts and/or dimensions shall be subject to the approval of the Engineer.
- 4. Sign borders and corner radii for all sign faces detailed herein shall be 3/4 inch wide, and 4 inches respectively. Corners need not be trimmed.
- 5. All signs shall have white reflectorized symbol messages and borders on a green background.
- 6. All letters shall be 6" upper case, with the exception of sign T-4 where letters shall be 8" upper case. Individual letters, numerals, symbols, and border shall be demountable and consist of: (A) Embossed aluminum cut-outs with applied silver-white reflective sheeting material; or (B) White porcelain-enameled aluminum frames in which are installed plastic reflex reflectors.
- 7. Mounting of signs to be at the Contractors option, subject to approval by the Engineer.
- 8. Relocation of signs, if necessary, is to be incidental to construction.
- 9. Mounting to be incidental to sign panels.
- 10. All materials shall conform to those specified for Construction Identification Signs.

 Material used for sign panels to be 3/4" thick waterproof fir Plywood. Contractor may submit alternative, subject to the approval of the Engineer.

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	I-HI-I(78):13	1970	19	47

	TEMPORARY REGULATORY, WARNIN AND MAINTENANCE SIGNS	Quantity		
Type	Message	w/Post		
G 20-2	End Construction	2 *		
R 2-1(25)	Speed Limit 25	4		
R-2-5	Speed Zone Ahead	4		
R 17-3	No Left Turn After		2	
W 13-1 (25)	25 M.P.H.		4	
W 20-1a	Road Construction 1500 ft.	4 *		
W 20-1b	Road Construction 1000 ft.	4 *		
W 20-1c	Road Construction 500 ft.	3 *	-	
W 20-1d	Road Construction Ahead	3 *		
		4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		
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	* Construction Signs		And a second	
			er ha et maren browns avenue. En ee eeu maanse als ee	
Total		24	6	

SUMMARY OF	PERMANENT REGULATORY, WARNING, C.	ONSTRUC	TION	
	· · · · · · · · · · · · · · · · · · ·	Quantity		
Type	Nessage		W/o Post	
R1-2	Yield	1		
R3-1	No Right Turn		/	
R 3-2	No Left Turn		1	
23-3	No Turns		2	
R17-2	No Right Turn on Red		1	
W1-2(L)	(Arrow)	1		
W1-2(R)	(Arrow)	2		
W3-3	Signal Ahead	1		
W13-1(25)	25 M.P.H.		3	
R3-5(R)	(Arrow) Only		1	
A				
Total		5	9 7	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

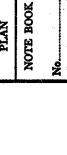
GENERAL NOTES
TEMPORARY CONSTRUCTION
TEMPORARY DIRECTIONAL SIGNS

HALAWA INTERCHANGE PROJECT NO. I-HI-1(78):13

NO SCALE DATE: APR. 9, 1970

SHEET No. | OF | SHEETS

1 (1)



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