

Revised: February 3, 1971

GENERAL NOTES FOR CONSTRUCTION AND
DETOUR PHASING AND TEMPORARY SIGNING

- 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 discontinuance of service.
- The Contractor shall follow the order of construction detour phasing as shown on the plans. However, phasing may overlap and contract items of work involved in each phasing may be constructed at any time as long as the detour phasing is not affected. Any request for adjustment of sequencing or phasing must be submitted in writing and approved by the Engineer.
- Contractor is to maintain two lanes of traffic in both directions at all times on Moanalua Road, except as noted below, when one lane of traffic in each direction shall be permitted:
 - 9:00 P.M. to 5:30 A.M. (All days except Friday and Saturday)
 - All other exceptions must be approved by the Engineer.
- Contractor shall maintain access to properties affected by construction at all times until a permanent replacement access is provided by timely construction of each phase of the work.
- All utilities, guard rail, lighting, signing, hydro-mulching and other related work within each individual construction phase shall be performed completely 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 guard rails or signs on roadways open to public traffic)
- Construction of temporary pavement section shall be paid for under applicable contract items. 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 as incidental to the various contract items.
- Temporary traffic and destination signs, barricades, traffic drums and other related work shown on the plans shall be paid for under applicable contract items.
- All relocations of temporary warning, regulatory, construction and maintenance signs, posts, barricades, and traffic drums between phases are to be considered as incidental to the applicable contract items of work.
- Contractor may use portable or temporary posts for construction and maintenance signs with the approval of the Engineer.
- All traffic and destination signs, barricades, and traffic drums for the purposes of traffic detours and construction sequencing shall be the property of the State upon completion of the project and shall be removed and stockpiled at the jobsite as directed by the Engineer. Costs for removal and stockpiling shall be incidental to the various contract items.
- Unless noted otherwise, exact locations of signs, barricades, and traffic drums shall be determined in the field by the Engineer.
- 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.
- Pavements used for temporary detouring of traffic shall be constructed as shown in the typical sections, however, the top 1-inch of the permanent pavement shall be omitted until the final striping of the pavement can be incorporated.

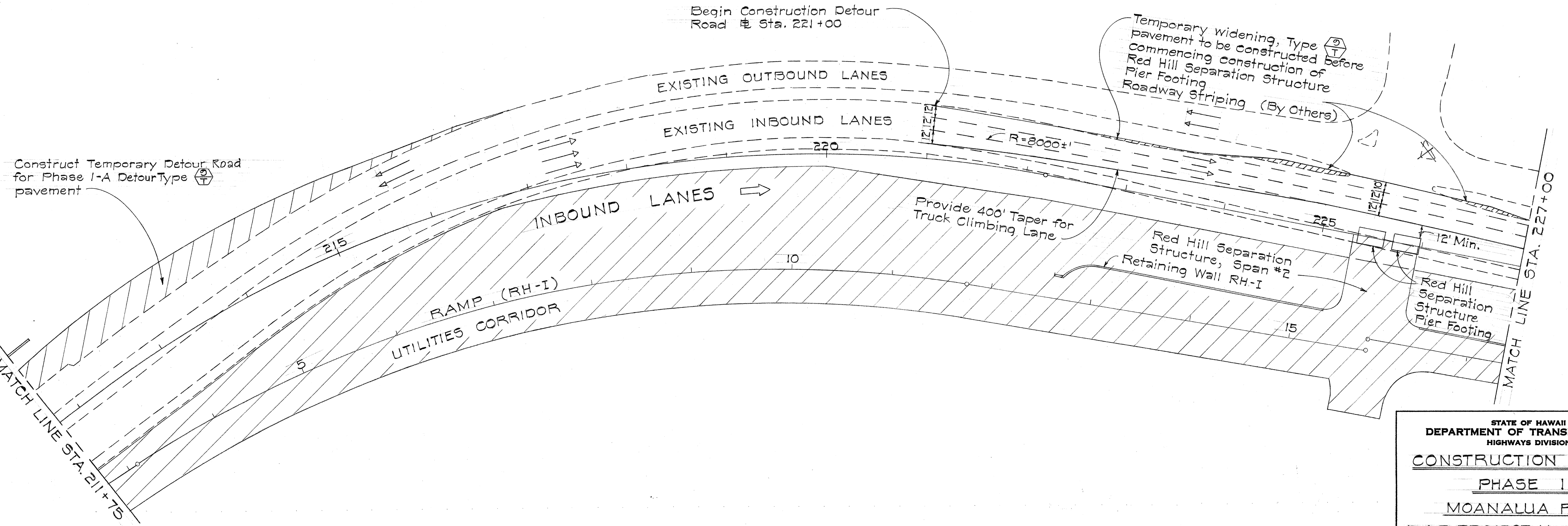
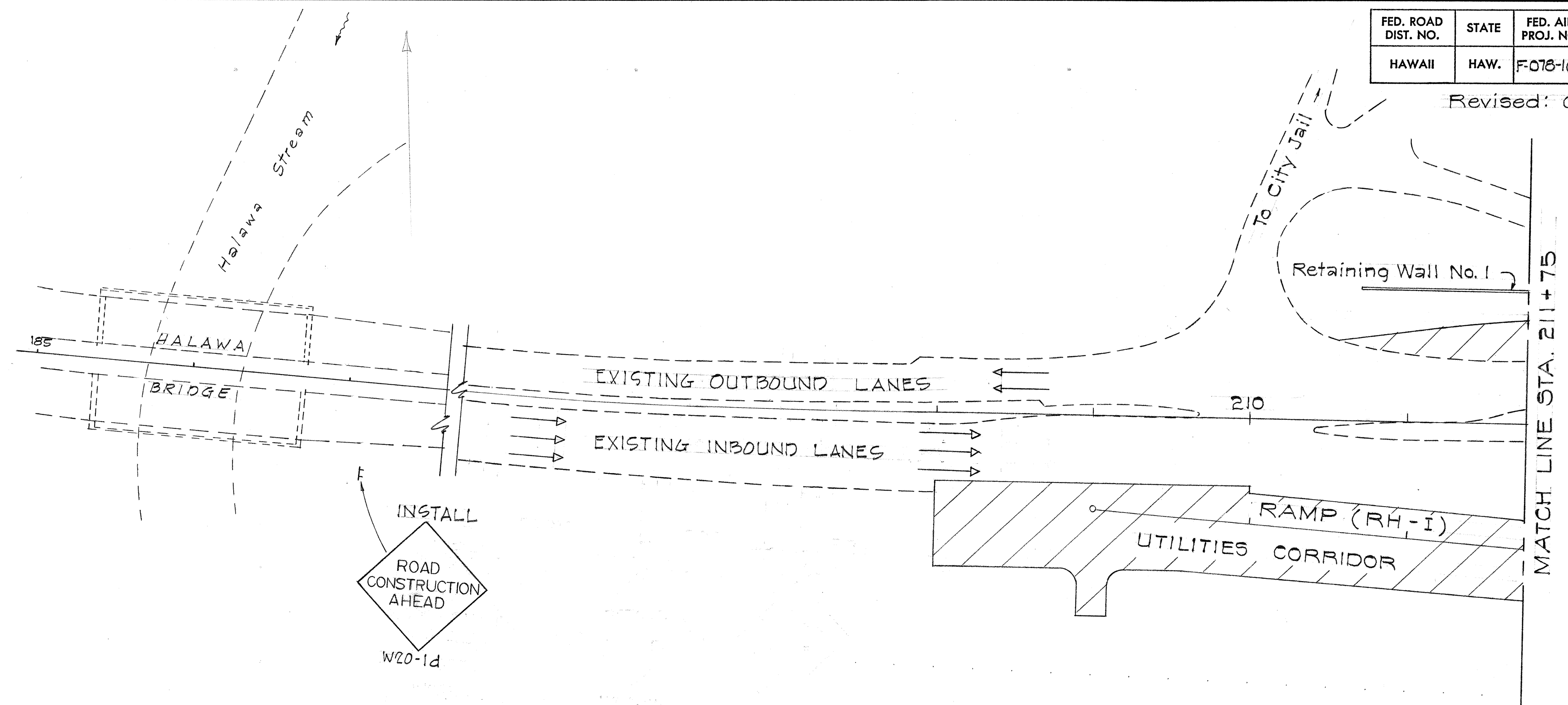
- Temporary destination sign panels shall be either 3/4" waterproof plywood or 0.100" thick sheet aluminum. Sign legends shall be 8" uppercase with 6" lowercase Series "E" modified letters conforming to the "Standard Alphabets for Highway Signs" Bureau of Public Roads, 1966. Letters, borders and arrows shall be white reflective sheeting on green reflective sheeting background.

SUMMARY OF CONSTRUCTION SIGNS FOR DETOUR

TYPE	DESCRIPTION	QUANTITY	
		W/ POST	W/O POST
R1-1	STOP	13	
R2-1(35)	SPEED LIMIT 35	2	
R3-2	NO LEFT TURN		4
R4-1	DO NOT PASS	2	
R4-7	KEEP → RIGHT	1	
R6-1(R)	ONE WAY →	2	
R6-3	TWO WAY TRAFFIC AHEAD	1	
R6-5	TWO WAY TRAFFIC	1	
R10-2	ROAD CLOSED		5
W1-1	→	1	
W1-4(L)	↓	1	
W13-1(35)	35 MPH		1
W20-1d	ROAD CONSTRUCTION AHEAD	2	
W20-2b	DETOUR 1000 FT	1	
M5-7(L)	< DETOUR		1
RM-3	(REFLECTOR MARKER)		1
M5-7(R)	DETOUR >		1
W3-1	STOP AHEAD	1	
W4-3(L)	MERGE LEFT	1	
W20-5b	RIGHT LANE CLOSED 1000 FT	1	
W20-5c	RIGHT LANE CLOSED 500 FT	1	
CLASS I BARRICADE		13	
W20-2d	DETOUR AHEAD	1	
	TRAFFIC DRUMS	126	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(11)	1970	35	258

Revised: Oct. 16, 1970



ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR

PHASE I

MOANALUA ROAD

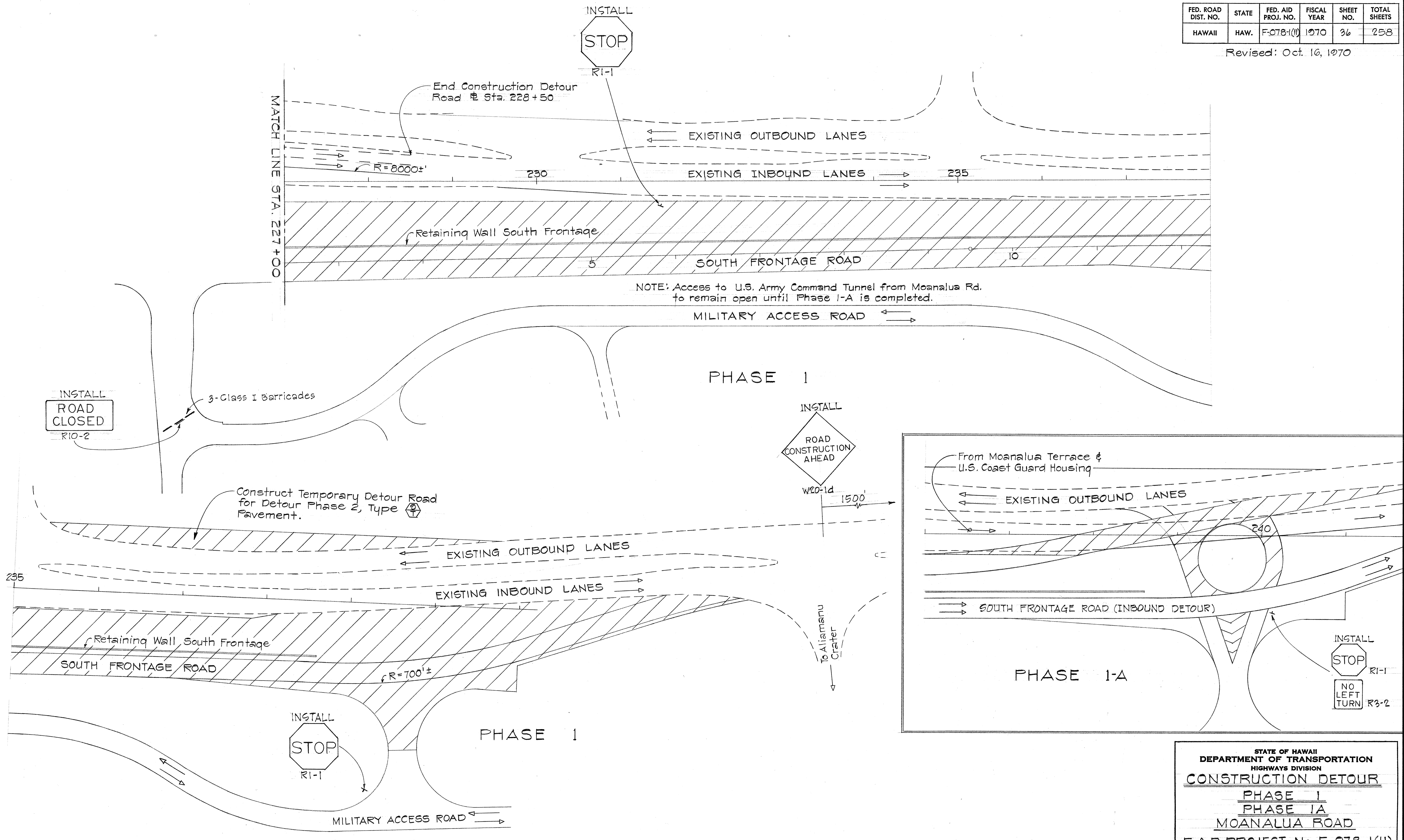
F.A.P. PROJECT No. F-078-1(11)

Scale: 1" = 50' Date: June, 1970

SHEET No. 2 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(11)	1970	36	258

Revised: Oct. 16, 1970



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR

PHASE 1

PHASE 1A

MOANALUA ROAD

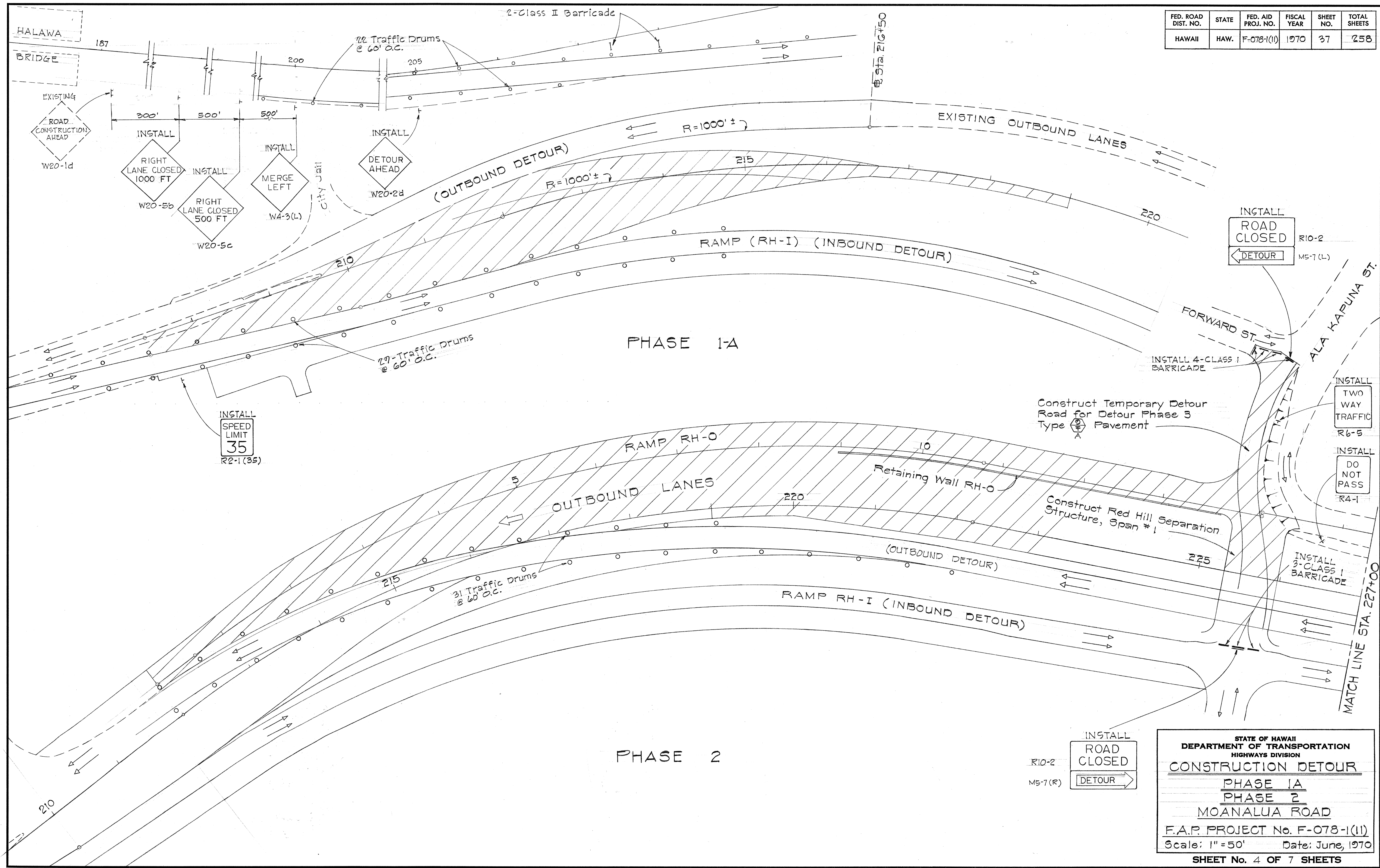
F.A.P. PROJECT No. F-078-1(11)

Scale: 1" = 50' Date: June, 1970

SHEET No. 3 OF 7 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	DATE
TRACED BY	DATE
CHECKED BY	DATE
NOTED BY	DATE
ORIGINAL PLAN	DATE
NOTED BY	DATE
CHECKED BY	DATE
DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(11)	1970	37	258



SURVEY PLATTED BY	DATE
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QUANTITIES BY	
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ORIGINAL PLAN	
NOTE BOOK	
No.	

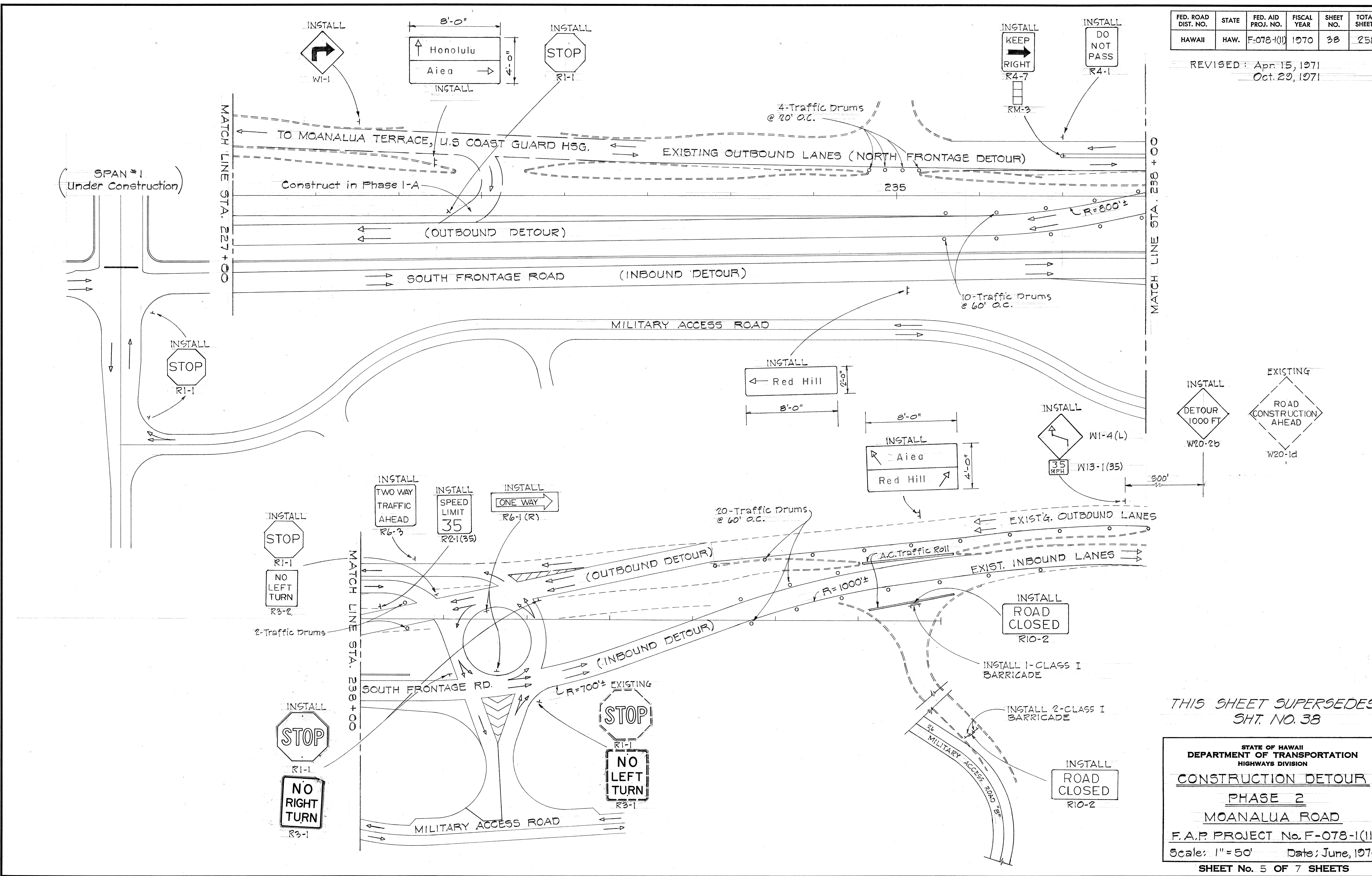
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE 1A
PHASE 2
MOANALUA ROAD
F.A.P. PROJECT No. F-078-1(11)
Scale: 1"=50' Date: June, 1970
SHEET No. 4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(11)	1970	38	258

REVISED: Apr. 15, 1971
Oct. 29, 1971

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

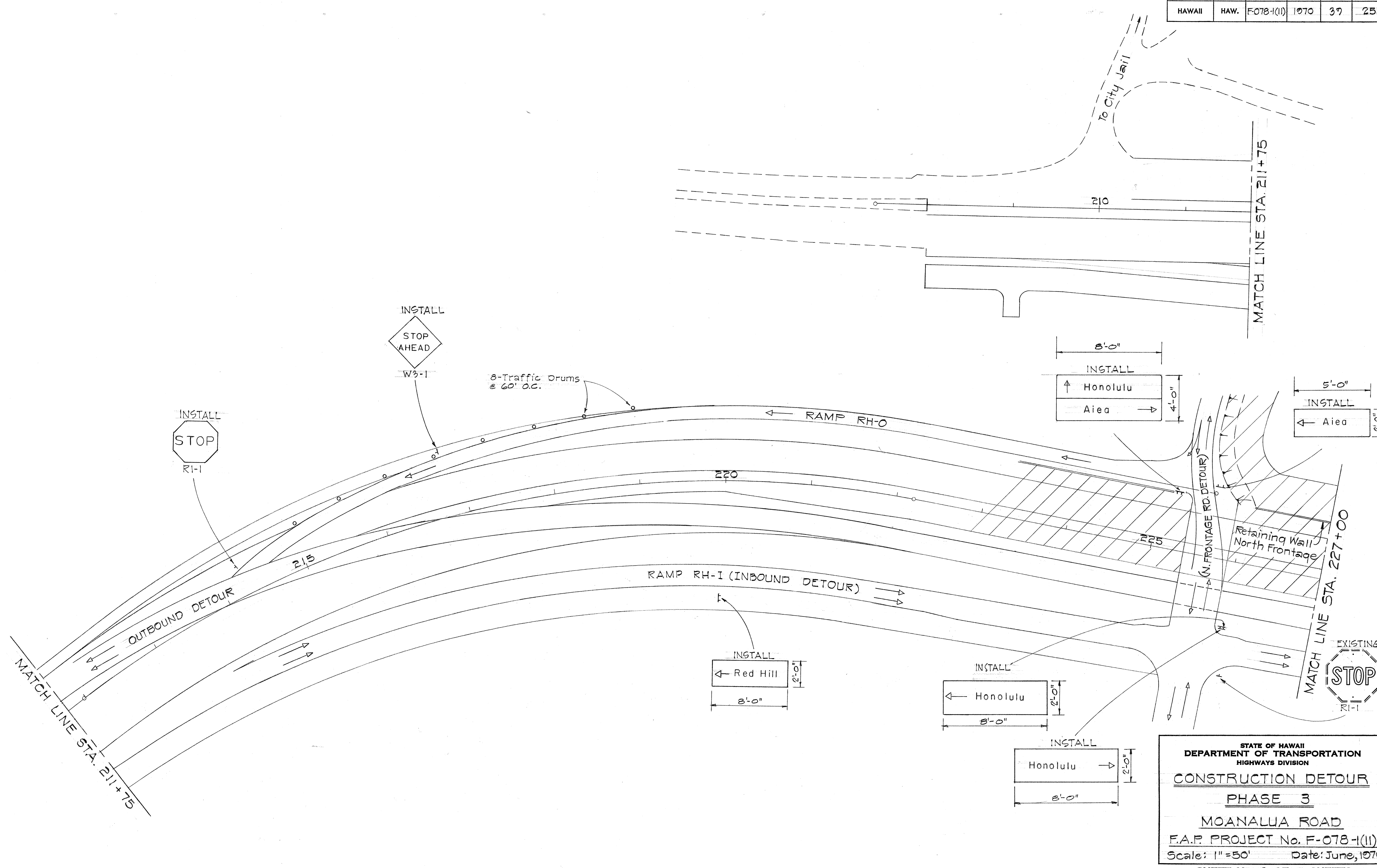


THIS SHEET SUPERSEDES
SHT. NO. 38

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE 2
MOANALUA ROAD
F.A.P. PROJECT No. F-078-1(11)
Scale: 1"=50' Date: June, 1970
SHEET No. 5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(11)	1970	37	258



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR

PHASE 3

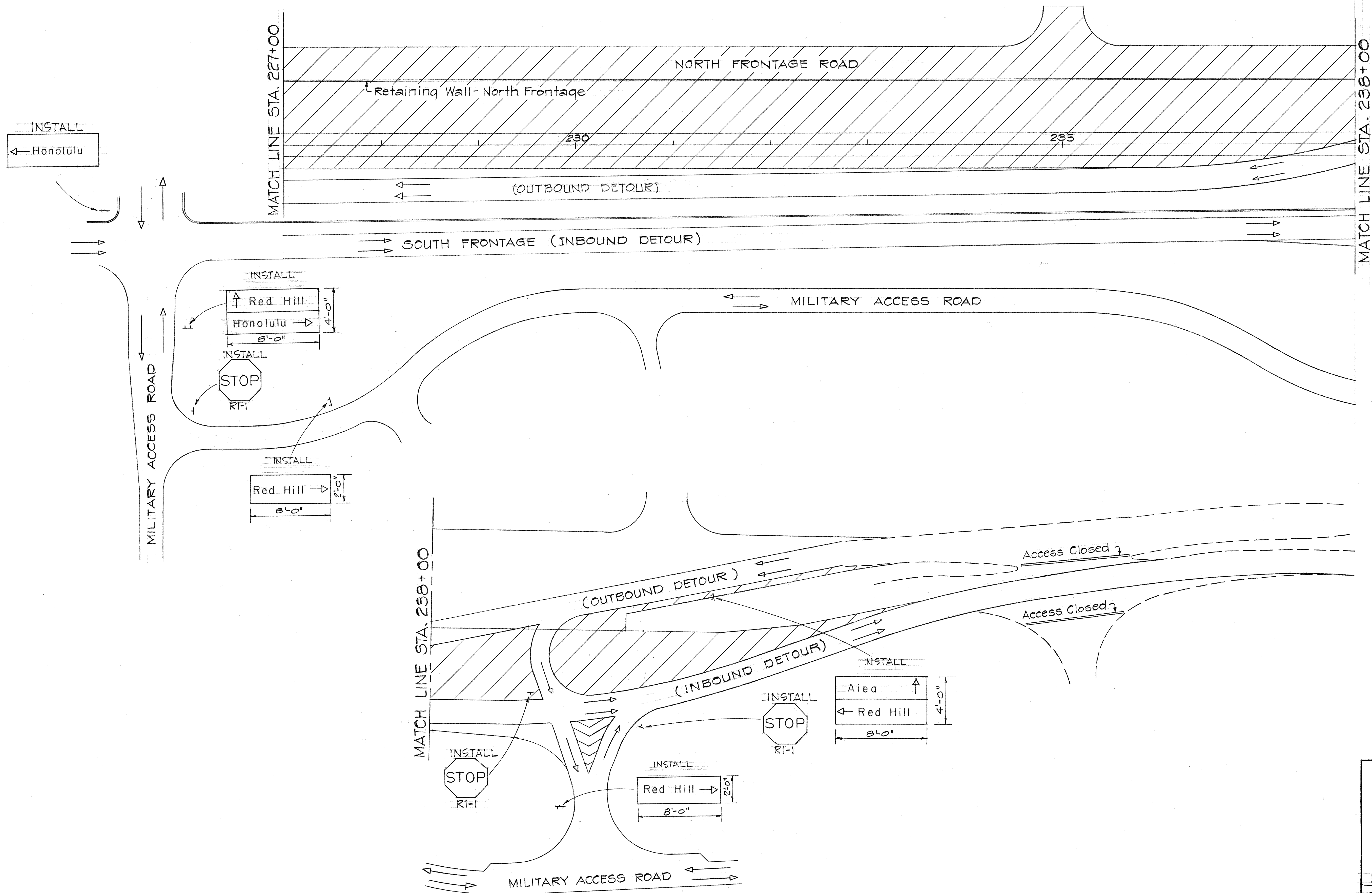
MOANALUA ROAD

F.A.P. PROJECT No. F-078-1(11)

Scale: 1" = 50' Date: June, 1970

SHEET No. 6 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(1)	1970	40	258



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE 3
MOANALUA ROAD

F.A.P. PROJECT No F-078-1(1)
Scale: 1" = 50' Date: June, 1970

SHEET No. 7 OF 7 SHEETS