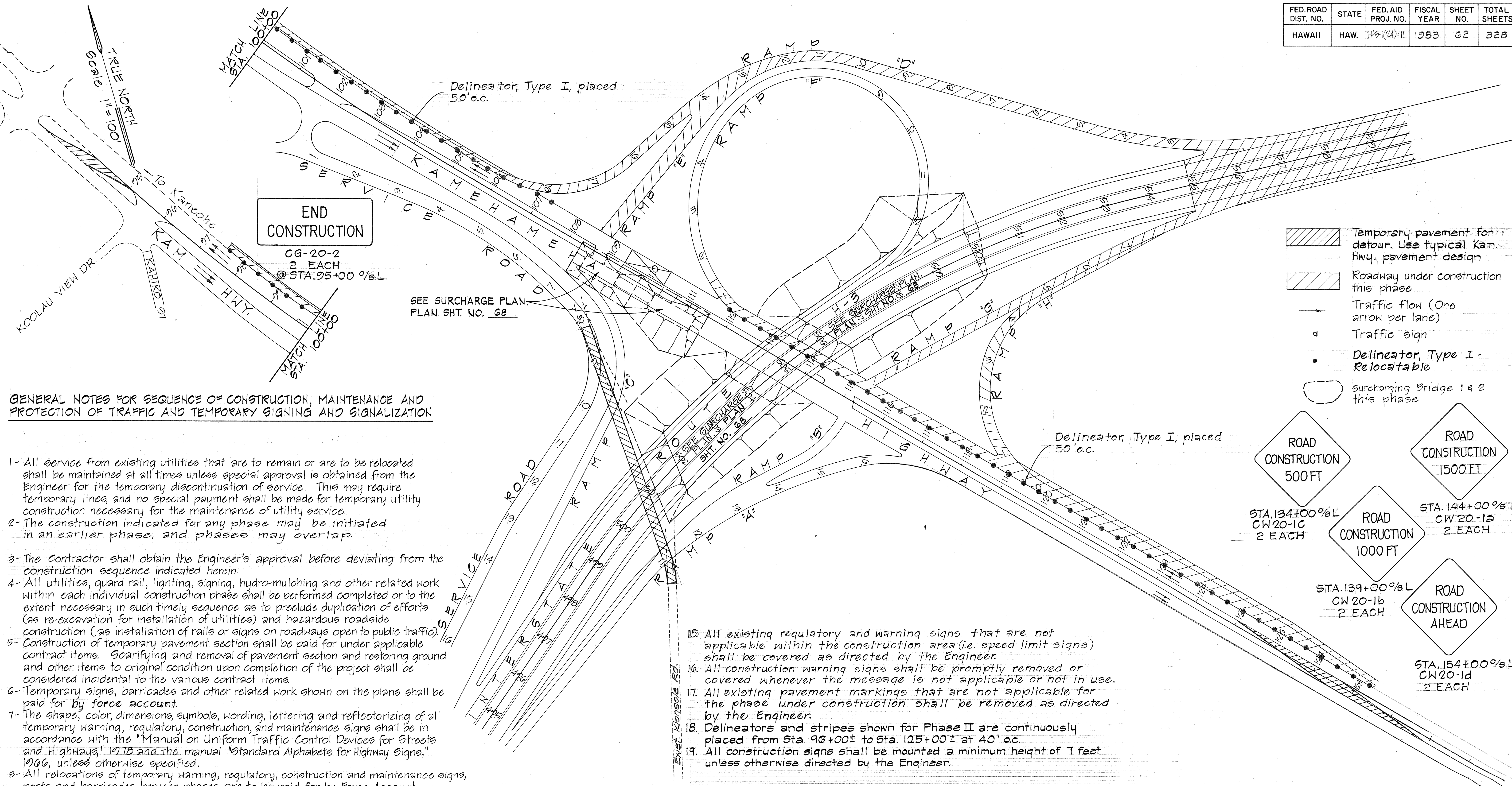


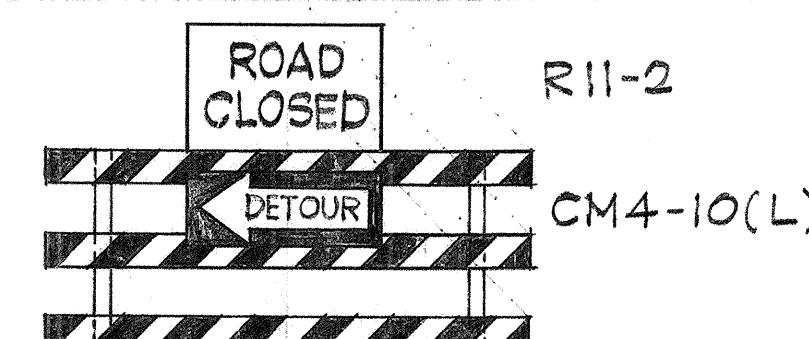
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	143-1(24)-11	1983	62	328



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

- 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. This may require temporary lines, and no special payment shall be made for temporary utility construction necessary for the maintenance of utility service.
- 2- The construction indicated for any phase may be initiated in an earlier phase, and phases may overlap.
- 3- The Contractor shall obtain the Engineer's approval before deviating from the construction sequence indicated herein.
- 4- All utilities, guard rail, lighting, signing, hydro-mulching and other related work within each individual construction phase shall be performed completed 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 rails or signs on roadways open to public traffic).
- 5- Construction of temporary pavement section shall be paid for under applicable contract items. Scarifying and removal of pavement section and restoring ground and other items to original condition upon completion of the project shall be considered incidental to the various contract items.
- 6- Temporary signs, barricades and other related work shown on the plans shall be paid for by force account.
- 7- 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," 1978 and the manual "Standard Alphabets for Highway Signs," 1966, unless otherwise specified.
- 8- All relocations of temporary warning, regulatory, construction and maintenance signs, posts and barricades between phases are to be paid for by Force Account.
- 9- Contractor may substitute portable or temporary mountings for post mountings for construction and maintenance signs with the approval of the Engineer.
- 10- All signs and barricades for the purposes of traffic detours and construction sequences shall become the property of the contractor upon the completion of the project. Removal shall be incidental to the applicable items.
- 11- Unless noted otherwise, exact locations of signs and barricades shall be determined in the field by the Engineer.
- 12- Legends of temporary Destination Signs shall be reflectorized with high intensity reflective sheeting.
- 13- Until H-3 is opened for traffic, certain signs and barricades must remain in place even after completion of the Halekou Interchange.
- 14- All lanes shall be 12 feet wide unless otherwise noted.

- 15- All existing regulatory and warning signs that are not applicable within the construction area (i.e. speed limit signs) shall be covered as directed by the Engineer.
- 16- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- 17- All existing pavement markings that are not applicable for the phase under construction shall be removed as directed by the Engineer.
- 18- Delineators and stripes shown for Phase II are continuously placed from Sta. 96+00± to Sta. 125+00± at 40' o.c.
- 19- All construction signs shall be mounted a minimum height of 7 feet unless otherwise directed by the Engineer.



TYPE III BARRICADE WITH SIGN(S)
Scale: 1/4" = 1'-0"

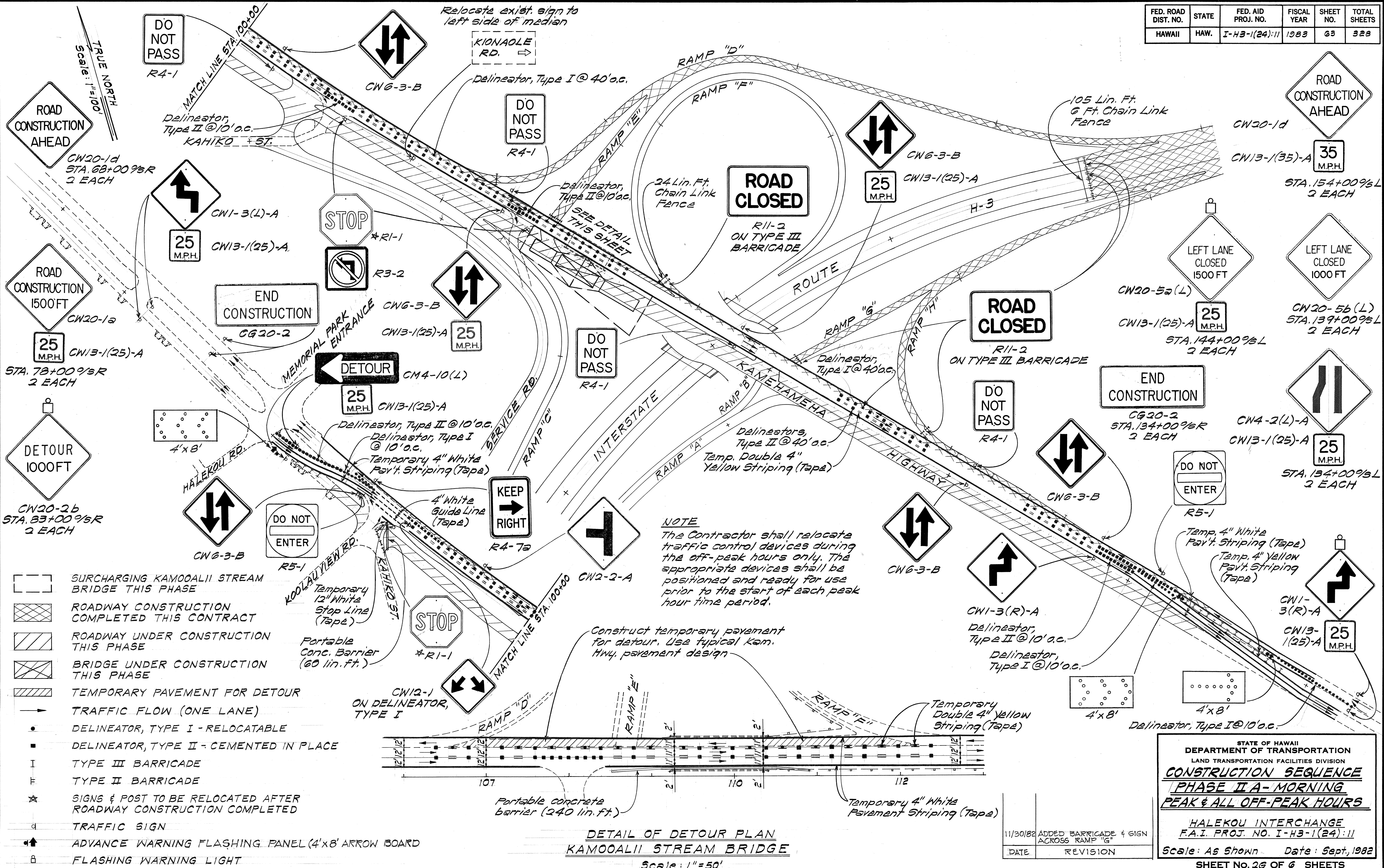
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION SEQUENCE
PHASE I
GENERAL NOTES

HALEKOU INTERCHANGE
F.A.I. PROJECT NO. I-43-1(24)-11

Scale as shown Date: Sept. 1982
SHEET NO. 16 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24)-11	1983	63	328



DATE	11/30/82
SURVEY BY	ADD
DRAWN BY	ADD
DESIGNED BY	ADD
NOTED BY	ADD
CHECKED BY	ADD

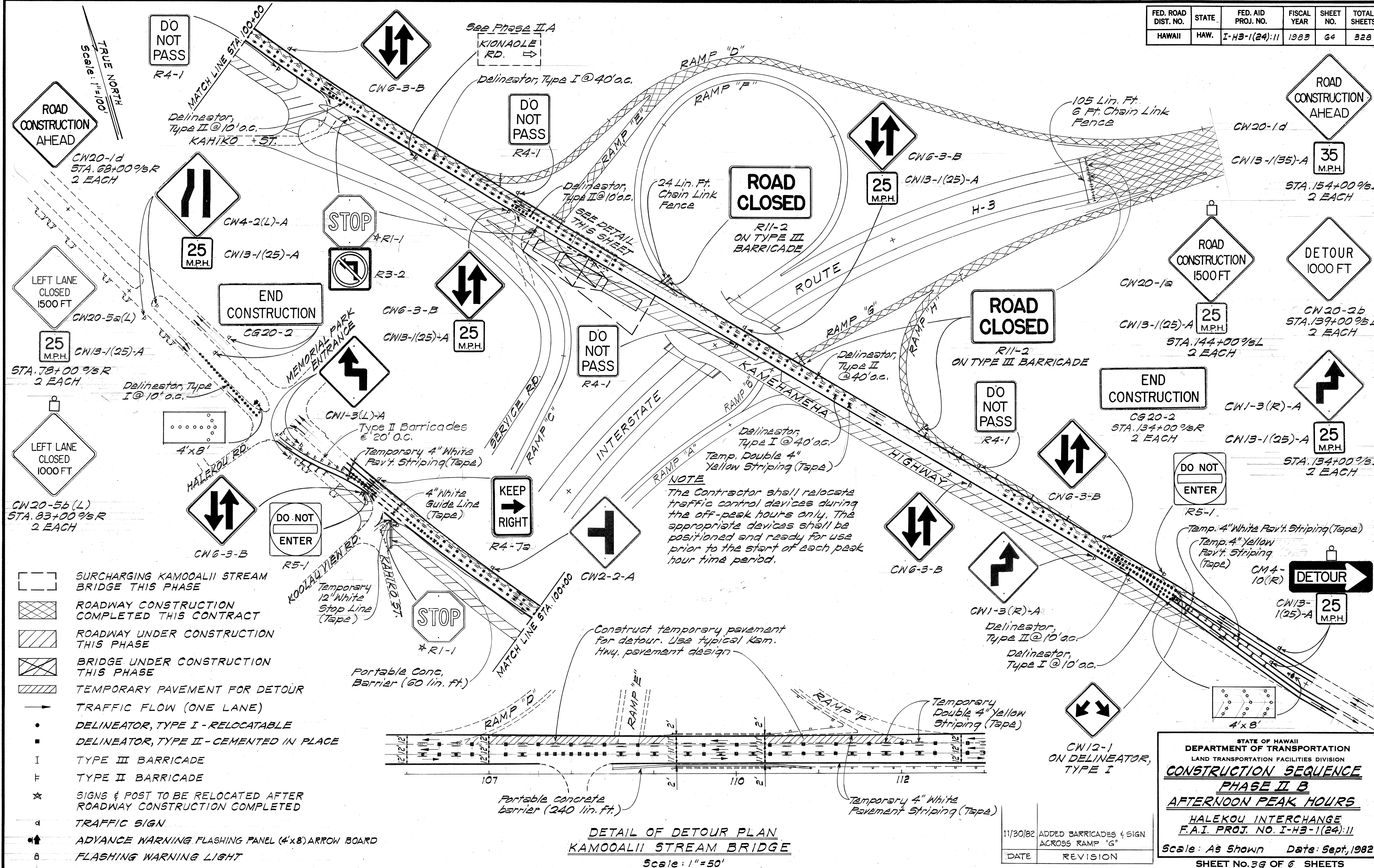
- SURCHARGING KAMOOALII STREAM BRIDGE THIS PHASE
- ROADWAY CONSTRUCTION COMPLETED THIS CONTRACT
- ROADWAY UNDER CONSTRUCTION THIS PHASE
- BRIDGE UNDER CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT FOR DETOUR
- TRAFFIC FLOW (ONE LANE)
- DELINEATOR, TYPE I - RELOCATABLE
- DELINEATOR, TYPE II - CEMENTED IN PLACE
- TYPE III BARRICADE
- TYPE II BARRICADE
- SIGNS & POST TO BE RELOCATED AFTER ROADWAY CONSTRUCTION COMPLETED
- TRAFFIC SIGN
- ADVANCE WARNING FLASHING PANEL (4'x8' ARROW BOARD)
- FLASHING WARNING LIGHT

DETAIL OF DETOUR PLAN
KAMOOALII STREAM BRIDGE
Scale: 1"=50'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
CONSTRUCTION SEQUENCE
PHASE II A - MORNING
PEAK & ALL OFF-PEAK HOURS
HALEKOU INTERCHANGE
F.A.I. PROJ. NO. I-H3-1(24)-11
Scale: As Shown Date: Sept, 1982
SHEET NO. 29 OF 6 SHEETS

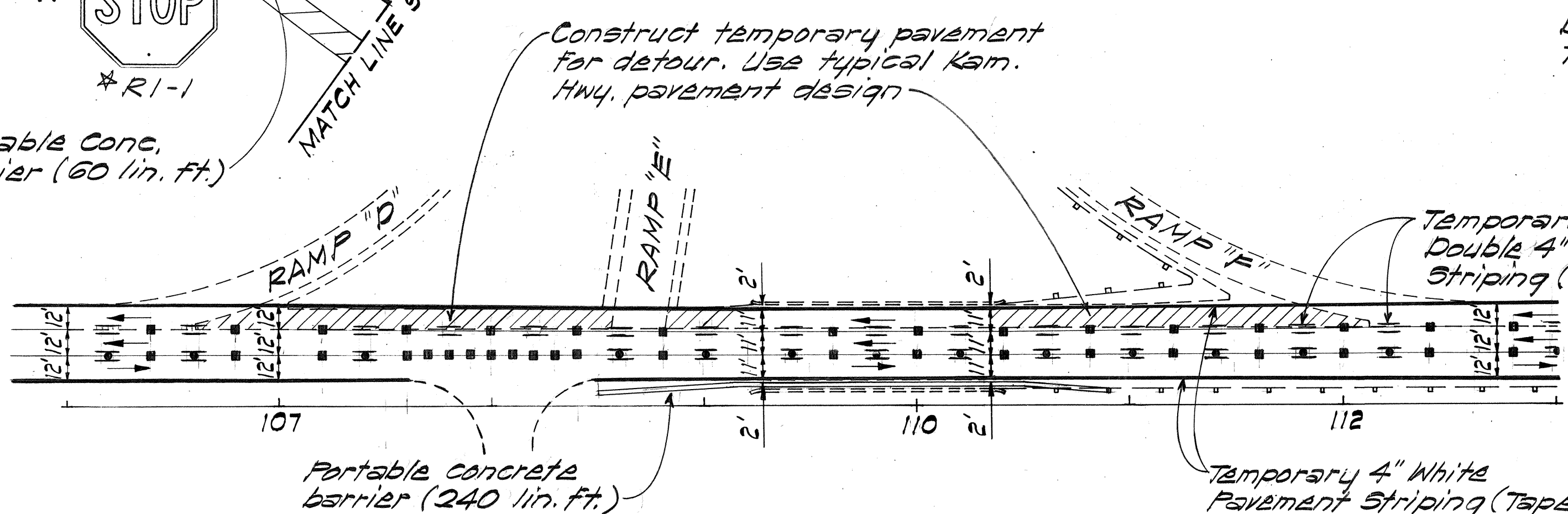
11/30/82	ADDED BARRICADE & SIGN ACROSS RAMP "G"
DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24)-11	1983	64	328



DATE	11/30/82
SURVEY PLOTTED BY	DESIGNED BY
DRAWN BY	QUANTITIES BY
NOTE BOOK	CHECKED BY
No.	

- SURCHARGING KAMOOALII STREAM BRIDGE THIS PHASE
- ROADWAY CONSTRUCTION COMPLETED THIS CONTRACT
- ROADWAY UNDER CONSTRUCTION THIS PHASE
- BRIDGE UNDER CONSTRUCTION THIS PHASE
- TEMPORARY PAVEMENT FOR DETOUR
- TRAFFIC FLOW (ONE LANE)
- DELINEATOR, TYPE I - RELOCATABLE
- DELINEATOR, TYPE II - CEMENTED IN PLACE
- I TYPE III BARRICADE
- F TYPE II BARRICADE
- ★ SIGNS & POST TO BE RELOCATED AFTER ROADWAY CONSTRUCTION COMPLETED
- △ TRAFFIC SIGN
- ▲ ADVANCE WARNING FLASHING PANEL (4'x8') ARROW BOARD
- ⬢ FLASHING WARNING LIGHT

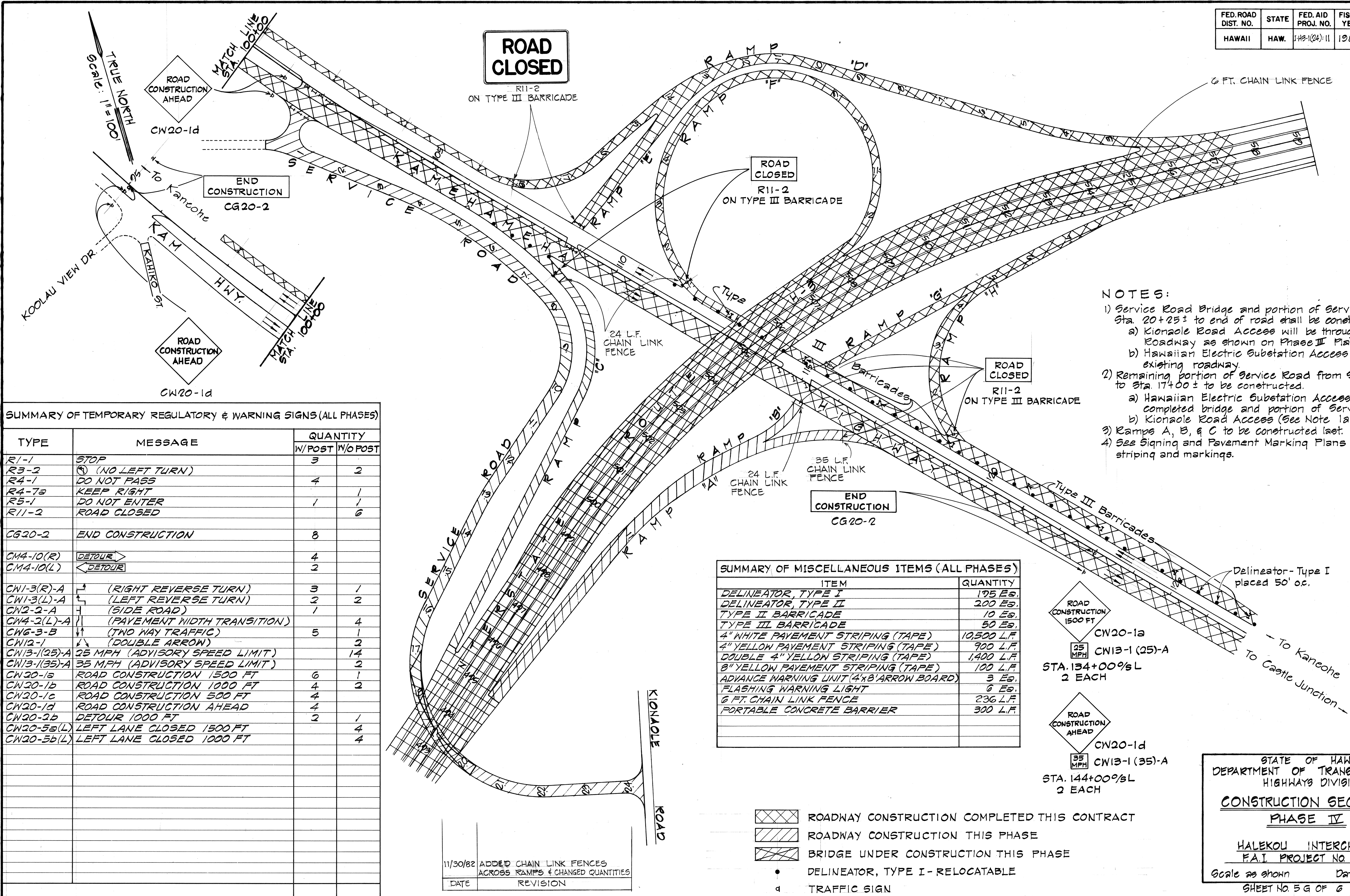


DETAIL OF DETOUR PLAN
KAMOOALII STREAM BRIDGE
Scale: 1"=50'

11/30/82	ADDED BARRICADES & SIGN ACROSS RAMP "G"
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
CONSTRUCTION SEQUENCE
PHASE II B
AFTERNOON PEAK HOURS
HALEKOU INTERCHANGE
F.A.I. PROJ. NO. I-H3-1(24)-11
Scale: As Shown Date: Sept, 1982
SHEET No. 39 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24)-11	1983	66	328



SUMMARY OF TEMPORARY REGULATORY & WARNING SIGNS (ALL PHASES)

TYPE	MESSAGE	QUANTITY	
		W/ POST	W/O POST
R1-1	STOP	3	
R3-2	(NO LEFT TURN)		2
R4-1	DO NOT PASS	4	
R4-7a	KEEP RIGHT		1
R5-1	DO NOT ENTER	1	1
R11-2	ROAD CLOSED		6
CG20-2	END CONSTRUCTION	8	
CM4-10(R)	DETOUR	4	
CM4-10(L)	DETOUR	2	
CW1-3(R)-A	(RIGHT REVERSE TURN)	3	1
CW1-3(L)-A	(LEFT REVERSE TURN)	2	2
CW2-2-A	(SIDE ROAD)	1	
CW4-2(L)-A	(PAVEMENT WIDTH TRANSITION)		4
CW6-3-B	(TWO WAY TRAFFIC)	5	1
CW12-1	(DOUBLE ARROW)		2
CW13-1(25)-A	25 MPH (ADVISORY SPEED LIMIT)		14
CW13-1(35)-A	35 MPH (ADVISORY SPEED LIMIT)		2
CW20-1a	ROAD CONSTRUCTION 1500 FT	6	1
CW20-1b	ROAD CONSTRUCTION 1000 FT	4	2
CW20-1c	ROAD CONSTRUCTION 500 FT	4	
CW20-1d	ROAD CONSTRUCTION AHEAD	4	
CW20-2a	DETOUR 1000 FT	2	1
CW20-5a(L)	LEFT LANE CLOSED 1500 FT		4
CW20-5b(L)	LEFT LANE CLOSED 1000 FT		4

SUMMARY OF MISCELLANEOUS ITEMS (ALL PHASES)	
ITEM	QUANTITY
DELINEATOR, TYPE I	175 Ea.
DELINEATOR, TYPE II	200 Ea.
TYPE II BARRICADE	10 Ea.
TYPE III BARRICADE	50 Ea.
4" WHITE PAVEMENT STRIPING (TAPE)	10,500 L.F.
4" YELLOW PAVEMENT STRIPING (TAPE)	900 L.F.
DOUBLE 4" YELLOW STRIPING (TAPE)	1,400 L.F.
6" YELLOW PAVEMENT STRIPING (TAPE)	100 L.F.
ADVANCE WARNING UNIT (4x8' ARROW BOARD)	3 Ea.
FLASHING WARNING LIGHT	6 Ea.
6 FT. CHAIN LINK FENCE	236 L.F.
PORTABLE CONCRETE BARRIER	300 L.F.

- ROADWAY CONSTRUCTION COMPLETED THIS CONTRACT
- ROADWAY CONSTRUCTION THIS PHASE
- BRIDGE UNDER CONSTRUCTION THIS PHASE
- DELINEATOR, TYPE I - RELOCATABLE
- TRAFFIC SIGN

- NOTES:
- Service Road Bridge and portion of Service Road Sta. 20+25± to end of road shall be constructed first.
 - Kionaole Road Access will be through Temporary Roadway as shown on Phase III Plan.
 - Hawaiian Electric Substation Access through existing roadway.
 - Remaining portion of Service Road from Sta. 0+00 to Sta. 17+00± to be constructed.
 - Hawaiian Electric Substation Access through completed bridge and portion of Service Road.
 - Kionaole Road Access (See Note 1a).
 - Ramps A, B, & C to be constructed last.
 - See Signing and Pavement Marking Plans for final striping and markings.

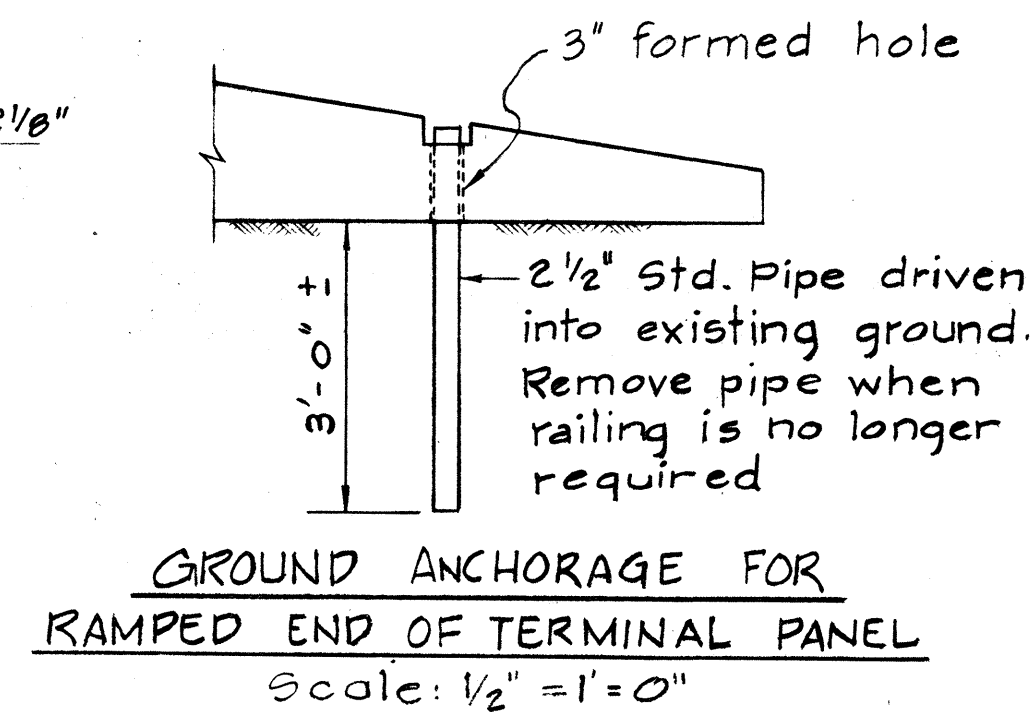
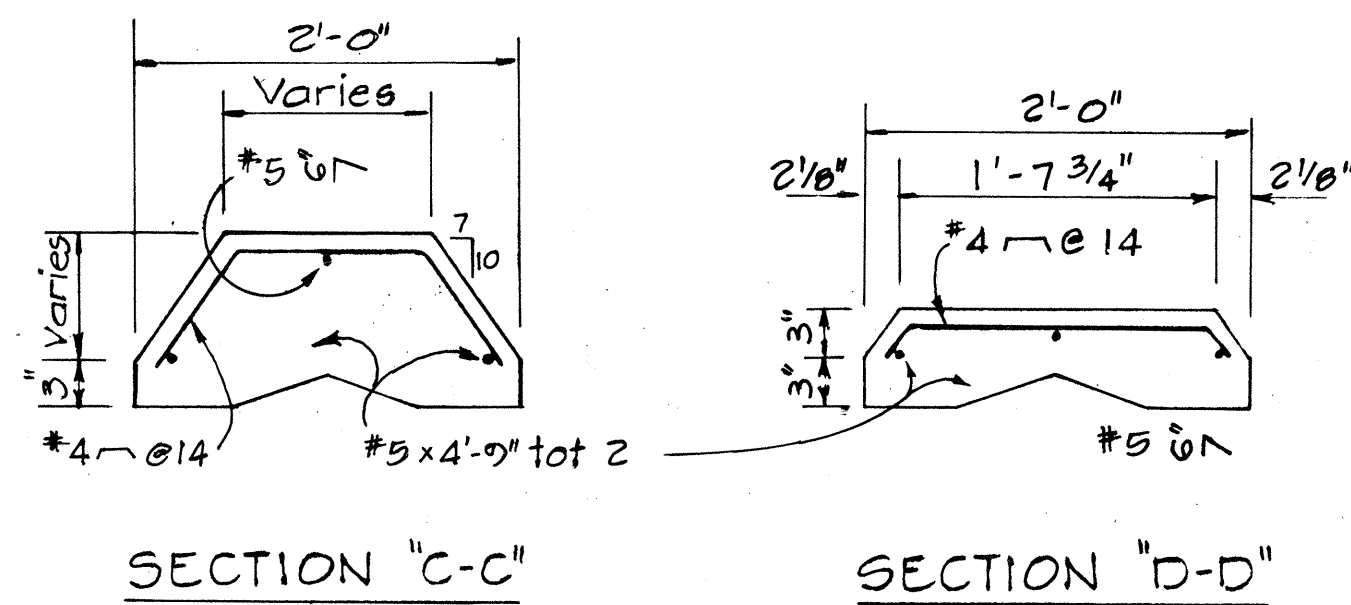
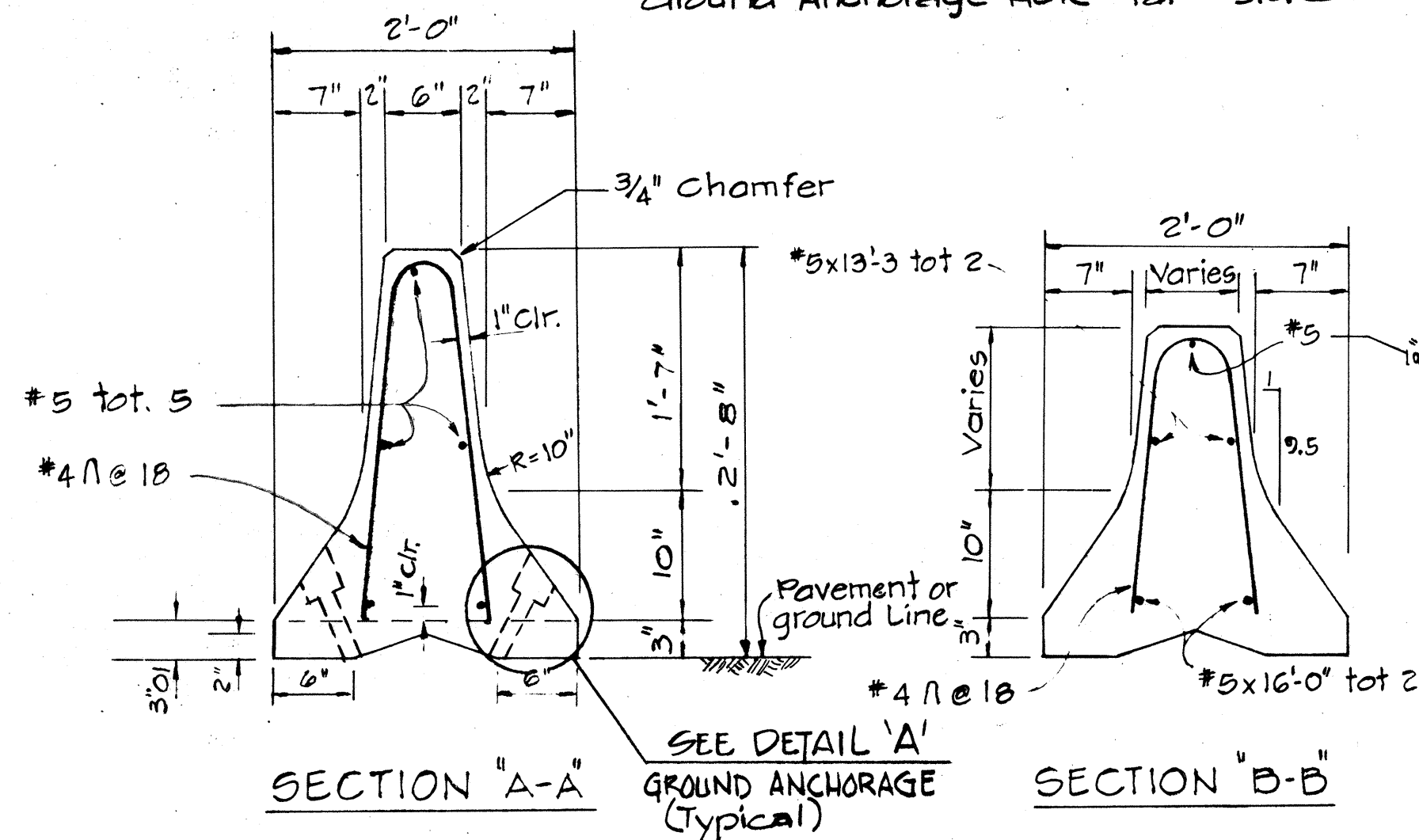
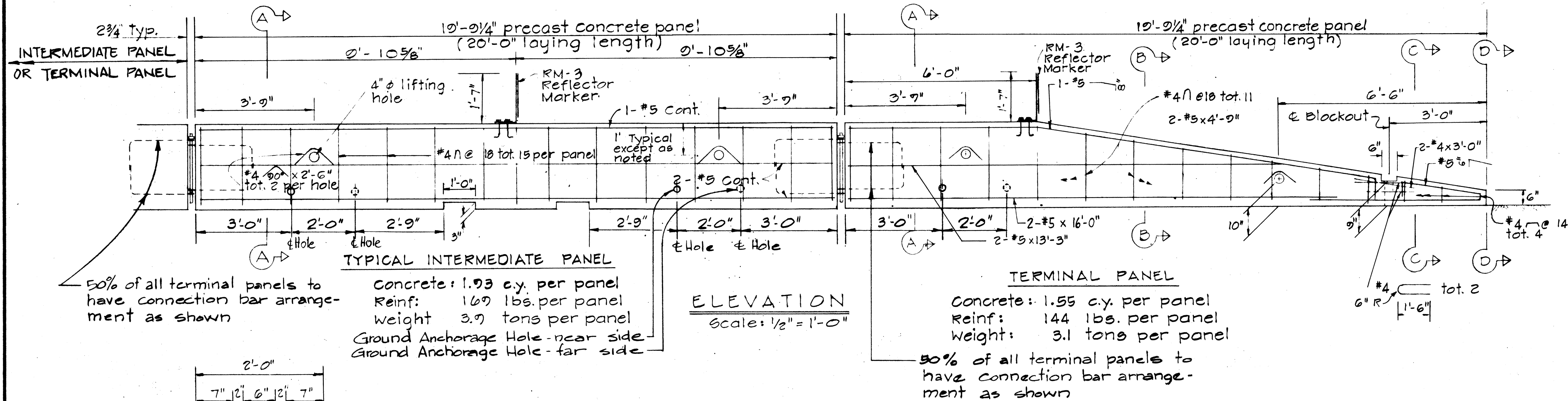
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION SEQUENCE
PHASE IV**

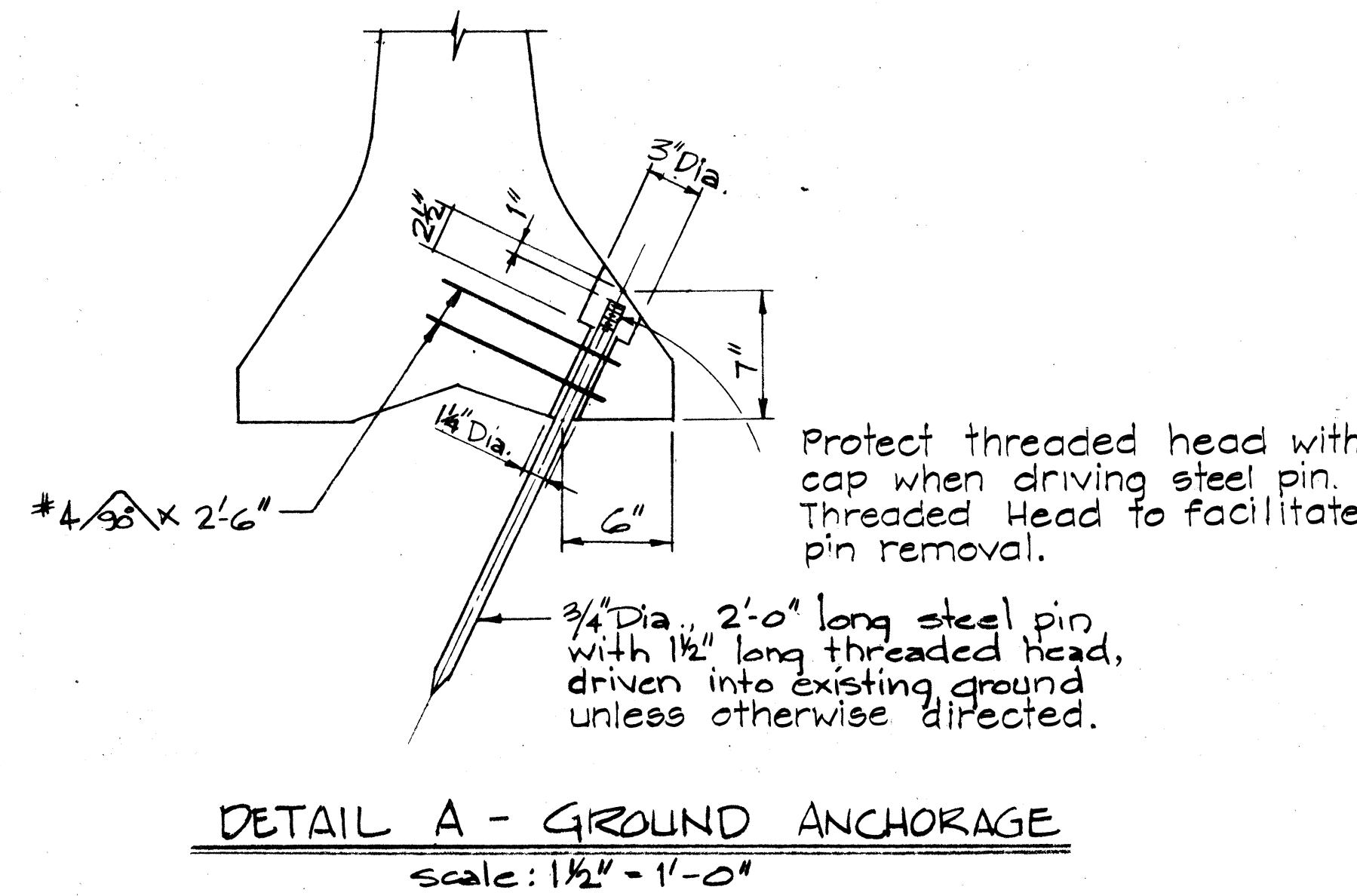
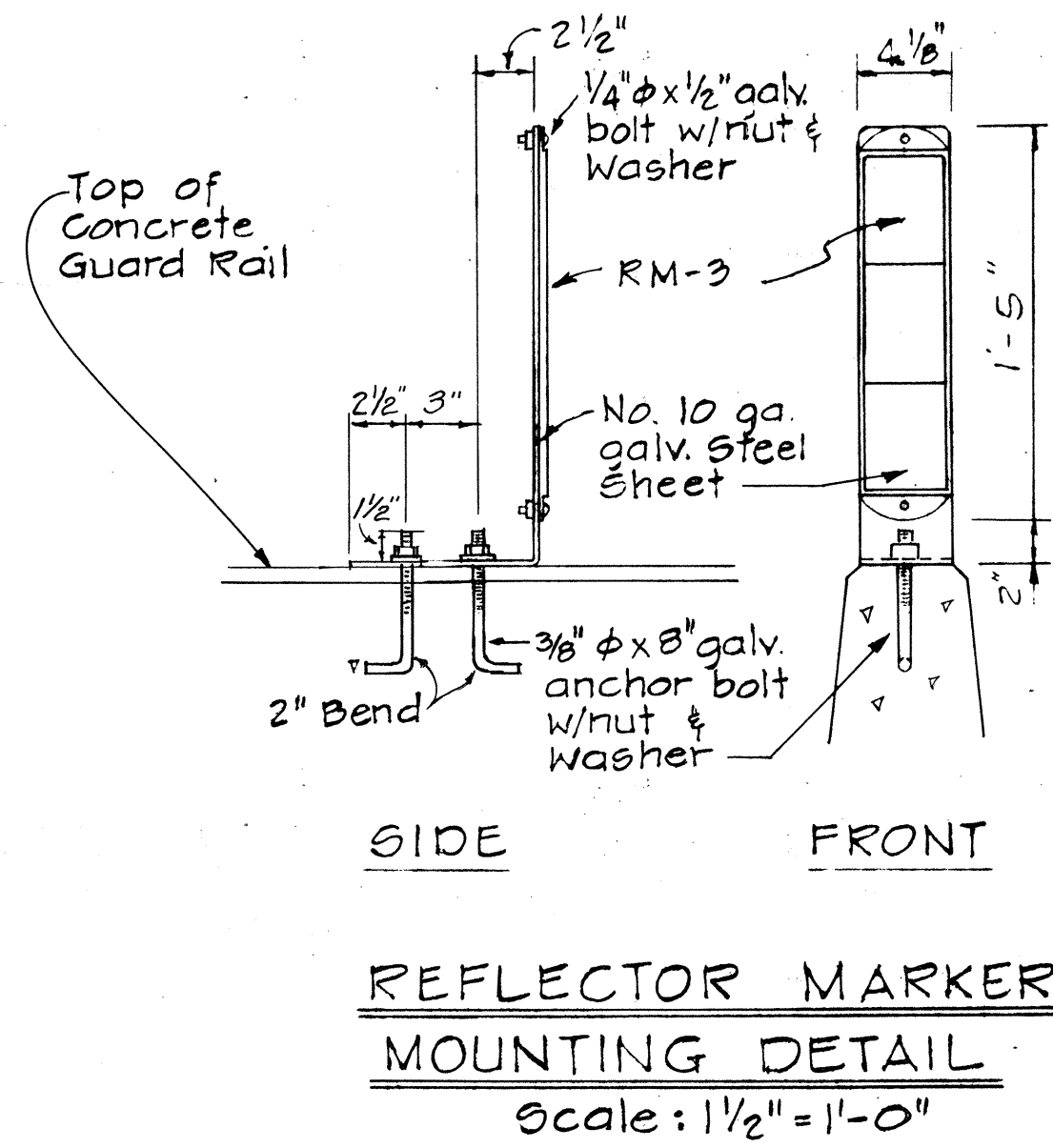
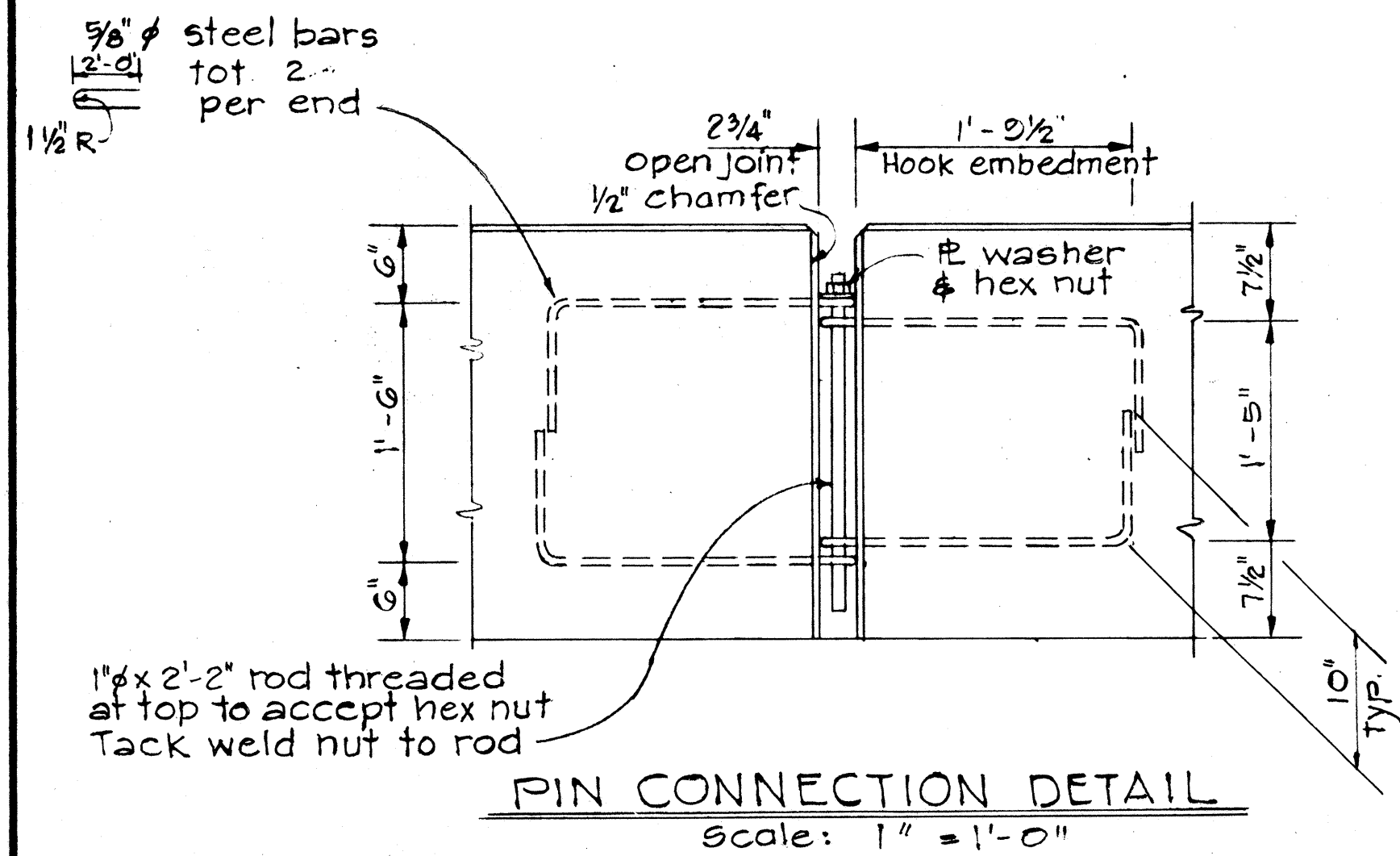
HALEKOU INTERCHANGE
F.A.I. PROJECT NO. I-H3-1(24)-11

Scale as shown Date: Sept., 1982
SHEET NO. 56 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-43-1(24)-11	1983	67	328



- NOTES**
- For details not shown in sections BB, C-C, & D-D, see section A-A
 - Reflector Marker shall not be paid for separately but shall be considered incidental to "Portable Concrete Guard Rail."
 - Concrete shall be Class "A".
 - All bolts to have cut washers unless otherwise noted.



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PORTABLE CONCRETE GUARD RAIL TYPICAL DETAILS

Scale: As Noted Date: Sept., 1982
 SHEET No. 66 OF 6 SHEETS

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