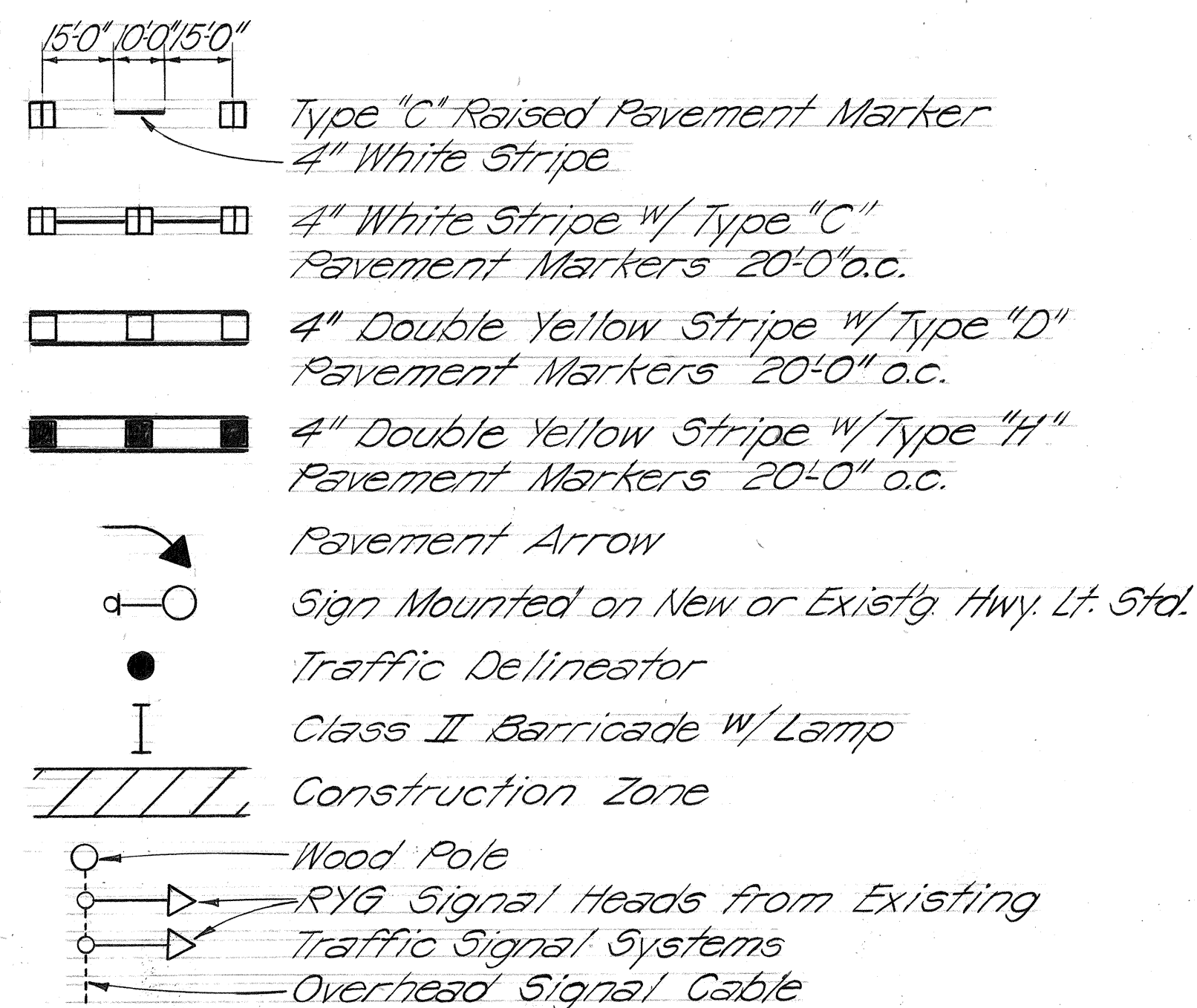


GENERAL NOTES - ROADWAY CONSTRUCTION DETOUR

1. Detour Lanes shall be a minimum of 10'-0" wide.
2. Detours shall be within the established State Highway Right-of-Way or Construction Easement.
3. The exact limits of the Roadway Construction for each Detour Phase shall be determined by the Engineer.
4. The Contractor shall follow the order of Construction Phasing as shown on the plans. Any request for adjustment in sequence or phasing must be submitted in writing and approved by the Engineer.
5. During Detour Construction Phasing, existing crosswalks shall be maintained or adjusted as necessary. All costs will be paid for on a Force Account basis under Item No. 104.0500 - Construction and Maintenance of Detours.
6. During Construction Detour Phasing, the Contractor shall keep the existing Sidewalk and Highway Lighting System operational until the new Sidewalk and Highway Lighting System are operational.
7. The Contractor shall allow access to and from all existing Driveways and Streets at all times.
8. Temporary Traffic Signal Poles shall be installed as shown with Guy Wires and Connections. Traffic Signals shall be mounted over the appropriate lanes overhead on span wires. The Signals shall be relocated as required for each Detour Phase over the appropriate lanes. Temporary Signals and Maintenance will be paid on a Force Account basis under Item No. 104.0500 - Construction and Maintenance of Detours.
9. All existing Traffic Signals and Controllers shall be utilized for the Temporary Signal System. Contractor shall furnish all additional materials to make the Temporary Signals operational.
10. All relocations of Temporary Warning, Regulatory, Construction and Maintenance Signs, Posts, Barricades and Delineators between phases of work will be paid for on a Force Account basis by Item No. 104.0500 - Construction and Maintenance of Detours.
11. Where Temporary Marking of the Permanent Roadway Alignment is required for Detours, the Open-Graded Plant Mix Seal shall be omitted until the Permanent Pavement Markings can be installed, unless otherwise specified by the Engineer.

12. Existing Signs, Striping and Pavement Markings which are contrary to the Detour Phasing shall be removed as directed by the Engineer. During Construction Phasing, Pavement Striping, Type "C" and "H" Pavement Markers, Signs and Pavement Markings shall be installed as required. Removal and Installation will be paid on a Force Account basis under Item No. 104.0500 - Construction and Maintenance of Detours.
13. Detour Quantities assume that certain Signs, Barricades and Channelizing Devices are to be relocated and some are to be removed during the various Construction Detour Phases. The Quantities shown are for estimating only. All cost will be paid on a Force Account basis under Item No. 104.0500 - Construction and Maintenance of Detours.
14. The Contractor shall coordinate his work with the work of others and various utility companies such as to provide orderly sequence of construction, and to minimize inconvenience and delay to the general public.
15. All Utility Work, Guard Rails, Lighting, Traffic Signals, Signing, Culverts, Grassing and other related work within each Construction Phase shall be performed complete to the extent necessary to avoid re-excavation for underground work and hazardous roadside construction.

DETOUR LEGEND



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-080-1(5)	1980	7	123

DETOUR SIGN SUMMARY

TYPE	DESCRIPTION	QUANTITY	
		W/Post	W/o Post
CW1-2L		1	
CW1-8	Chevron	4	
CW4-2(R)		1	1
CW13-1(25)	25 M.P.H.	1	3
CW20-1c	Road Construction 500 Ft.	3	
CW20-1d	Road Construction Ahead	16	
CW20-5c(R)	Right Lane Closed 500 Ft.	1	
CG20-2	End Construction	2	
R1-1	Stop	1	2
R2-1(25)	Speed Limit 25	2	7
R3-2	No Left Turn	2	1
R7-1	No Parking Any Time	11	
R7-201a	Tow Away Zone		11
TOTALS		45	25

PAVEMENT MARKER SUMMARY

DESCRIPTION	QUANTITY
TYPE "C" PAVEMENT MARKERS	51 EA.
TYPE "D" PAVEMENT MARKERS	106 EA.
TYPE "H" PAVEMENT MARKERS	41 EA.

PAVEMENT STRIPING SUMMARY

DESCRIPTION	QUANTITY
Yellow	6,470 L.F.
White	1,100 L.F.

BARRICADES & CHANNELIZING SUMMARY

DESCRIPTION	QUANTITY
Type II Barricade with Lamp	102 EA.
Traffic Delineators	105 EA.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

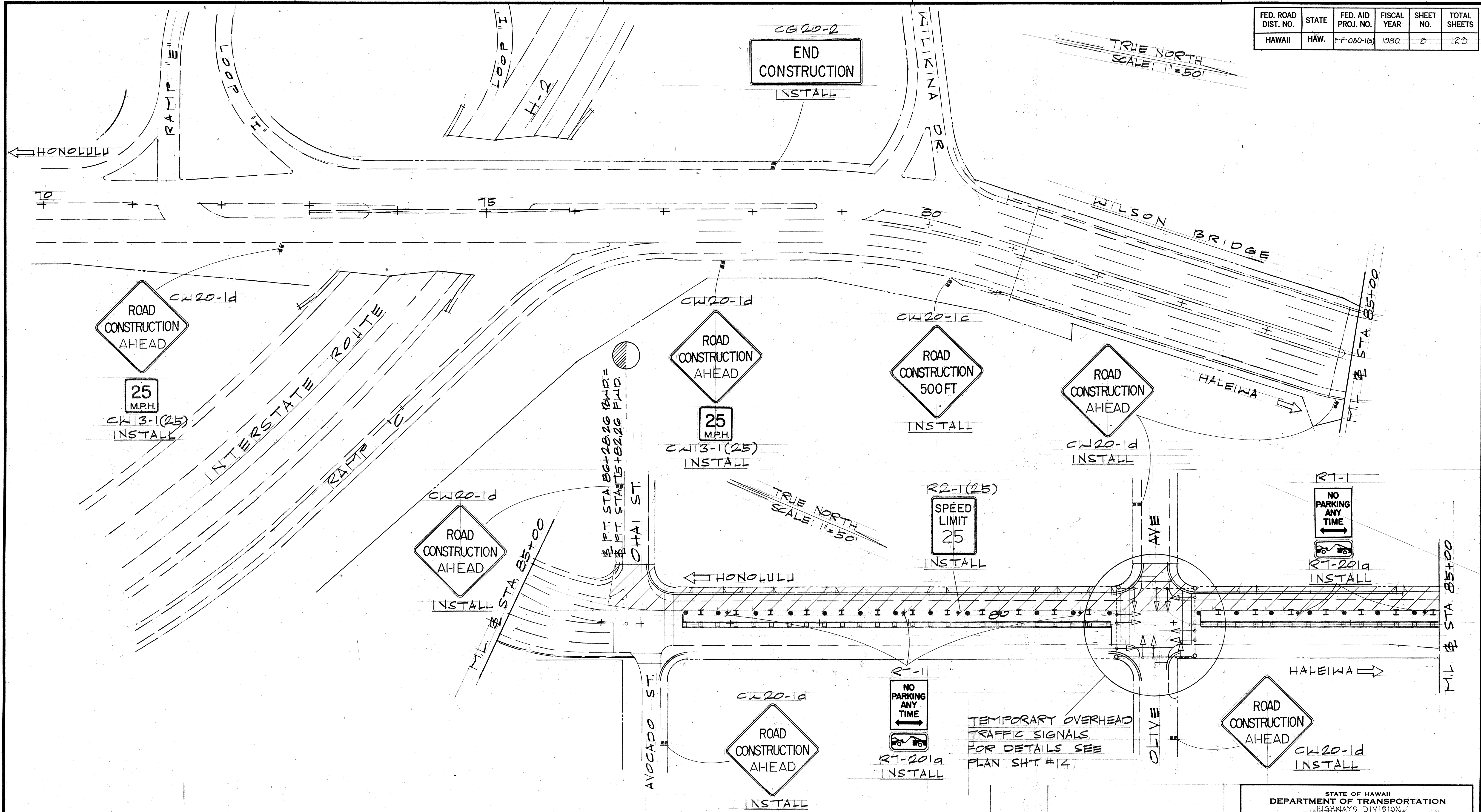
CONSTRUCTION DETOUR PHASING
GENERAL NOTES

KAMEHAMEHA HWY, WAHIAWA
AVOCADO ST. TO KILANI AVE.

FED. AID PROJECT NO. F-F-080-1(5)
Date: May, 1980

SHEET No. OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	8	123



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

12-12-80	REVISED TRAFFIC SIGNALS
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION DETOUR
PHASE I**

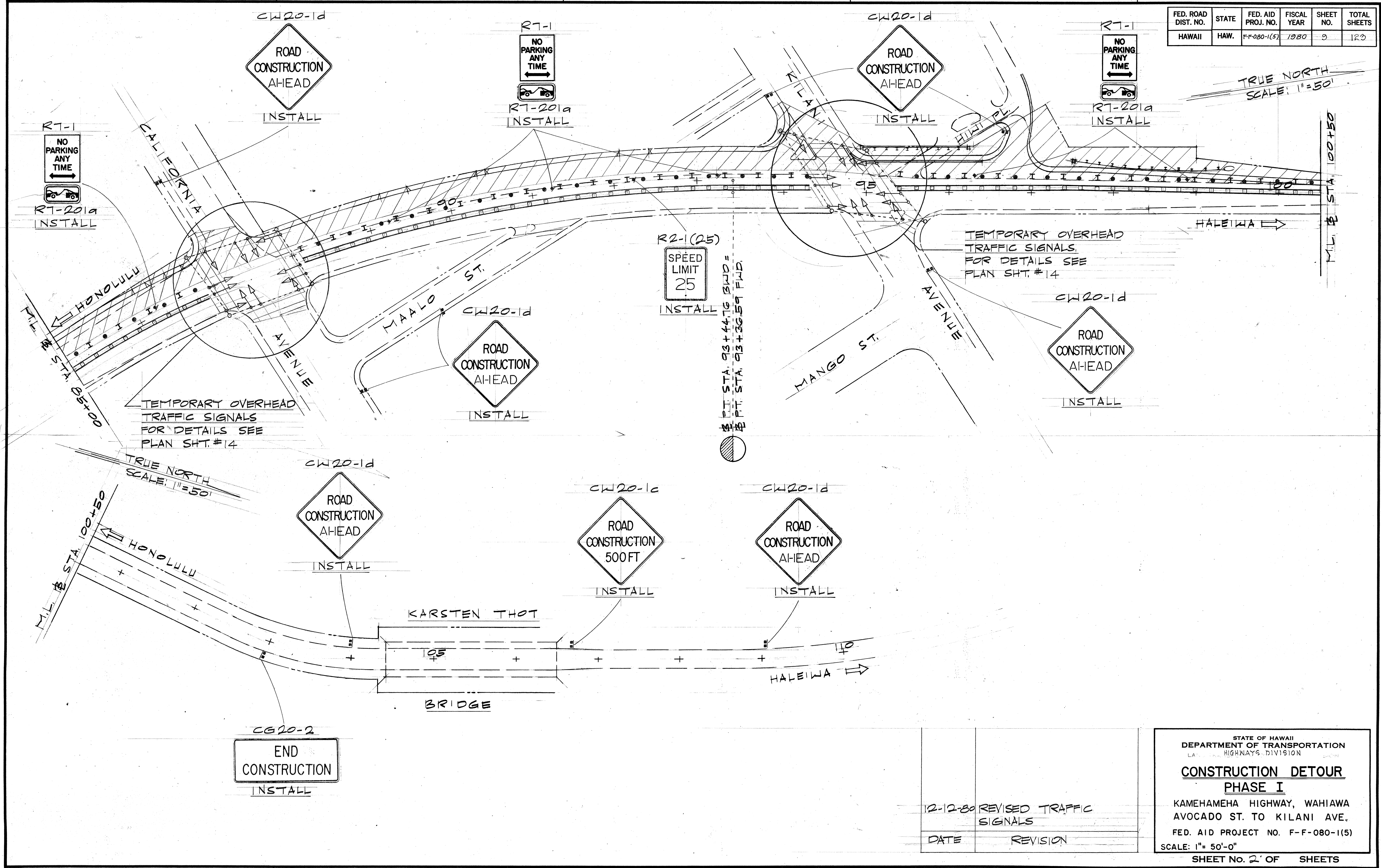
KAMEHAMEHA HIGHWAY, WAHIAWA
AVOCADO ST. TO KILANI AVE.

FED. AID PROJECT NO. F-F-080-1(5)
SCALE: 1"= 50'-0"

SHEET NO. 8 OF 123 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	9	120

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



12-12-80	REVISED TRAFFIC SIGNALS
DATE	REVISION

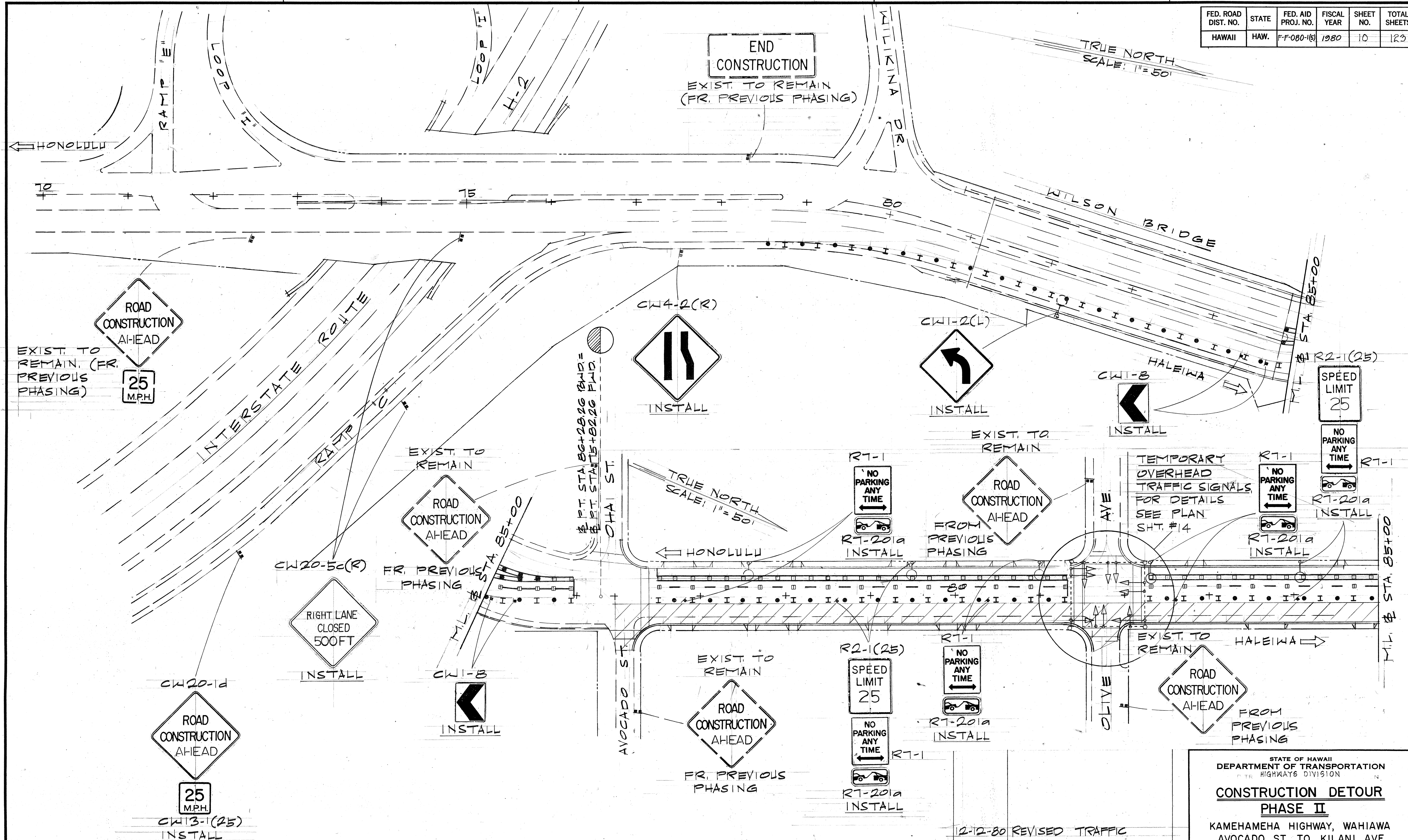
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION DETOUR
PHASE I**

KAMEHAMEHA HIGHWAY, WAHIAWA
AVOCADO ST. TO KILANI AVE.
FED. AID PROJECT NO. F-F-080-1(5)
SCALE: 1"= 50'-0"

SHEET No. 2 OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	10	123



12-2-80	REVISED TRAFFIC SIGNALS
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR PHASE II

KAMEHAMEHA HIGHWAY, WAHIAWA
AVOCADO ST. TO KILANI AVE.

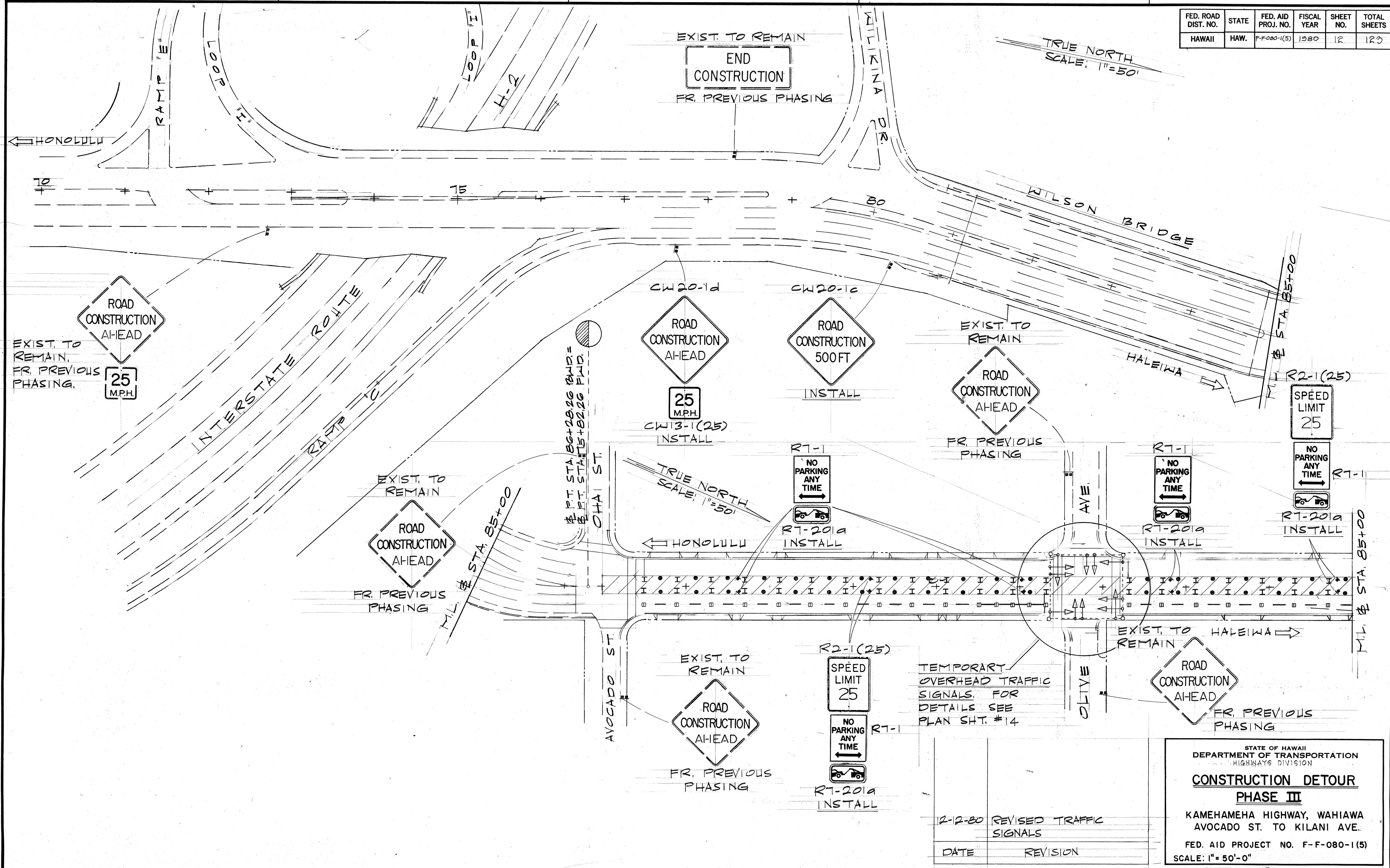
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SCALE: 1" = 50'-0"

SHEET No. 3 OF SHEETS

C.O. 10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	12	120



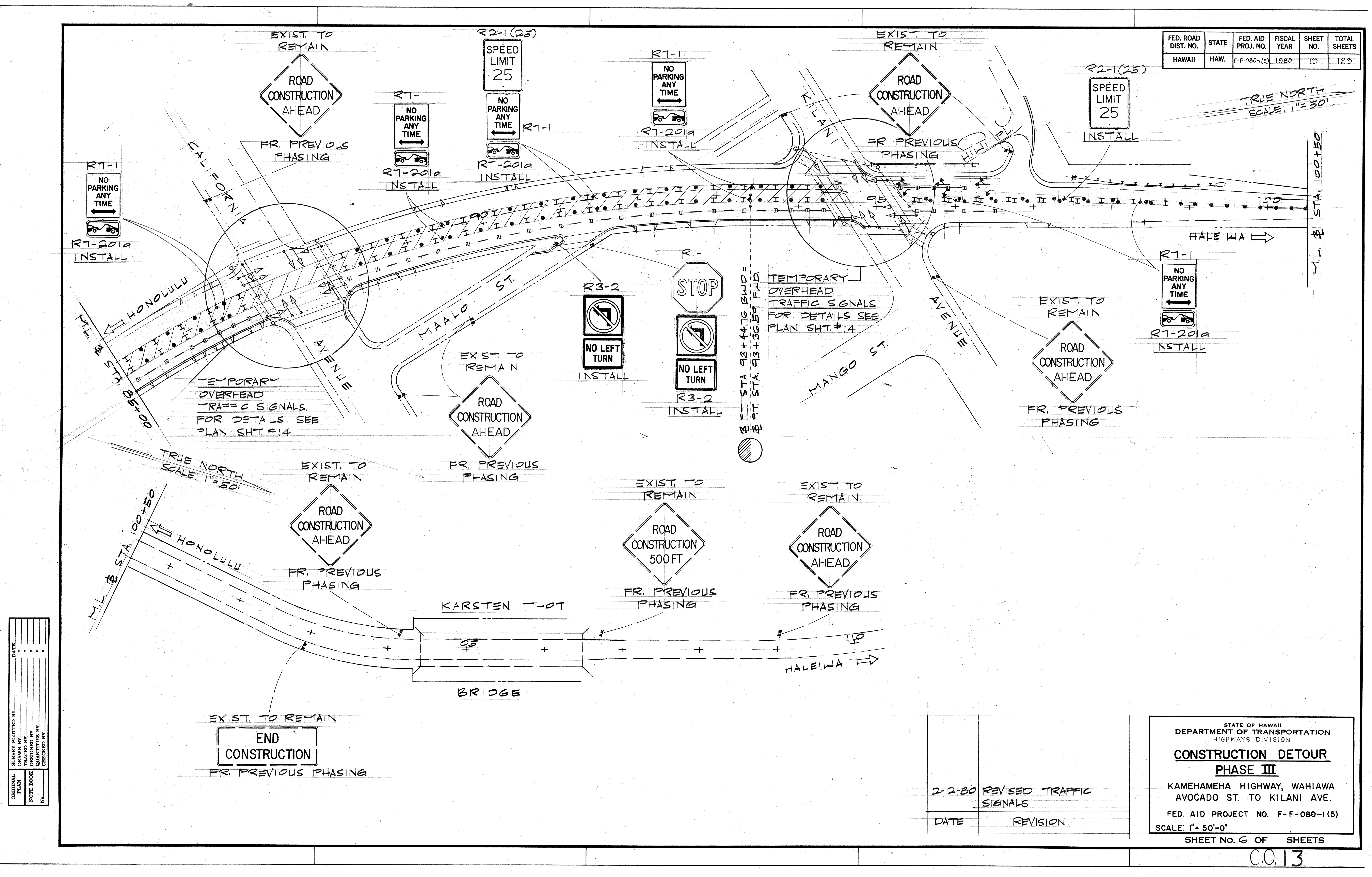
ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NO. 1	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE III
KAMEHAMEHA HIGHWAY, WAHIAWA
AVOCADO ST. TO KILANI AVE.
FED. AID PROJECT NO. F-F-080-1(5)
SCALE: 1"= 50'-0"
SHEET NO. 5 OF SHEETS

DATE	REVISION
12-12-80	REVISED TRAFFIC SIGNALS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	13	123



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
QUANTITIES BY	DESIGNED BY	
CHECKED BY		

2-12-80	REVISED TRAFFIC SIGNALS
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

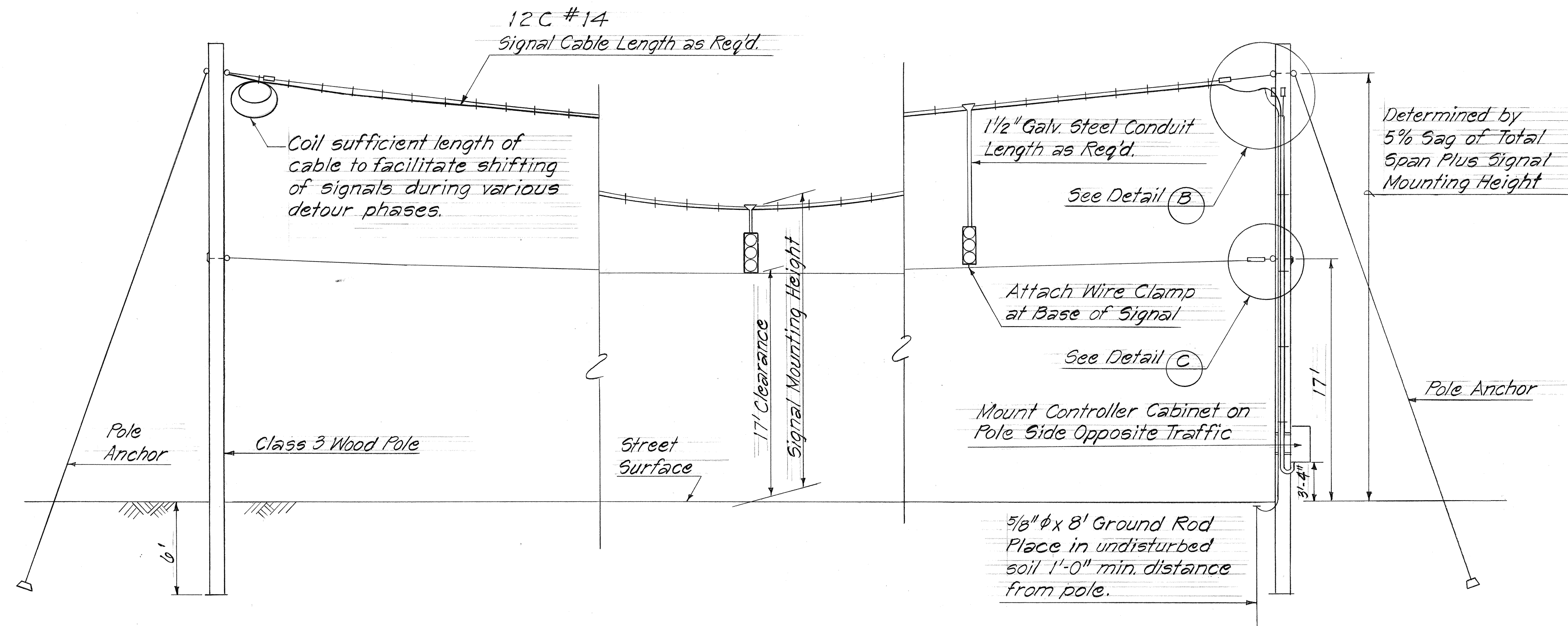
**CONSTRUCTION DETOUR
PHASE III**

KAMEHAMEHA HIGHWAY, WAHIAWA
AVOCADO ST. TO KILANI AVE.

FED. AID PROJECT NO. F-F-080-1(5)
SCALE: 1"= 50'-0"

SHEET No. 6 OF SHEETS

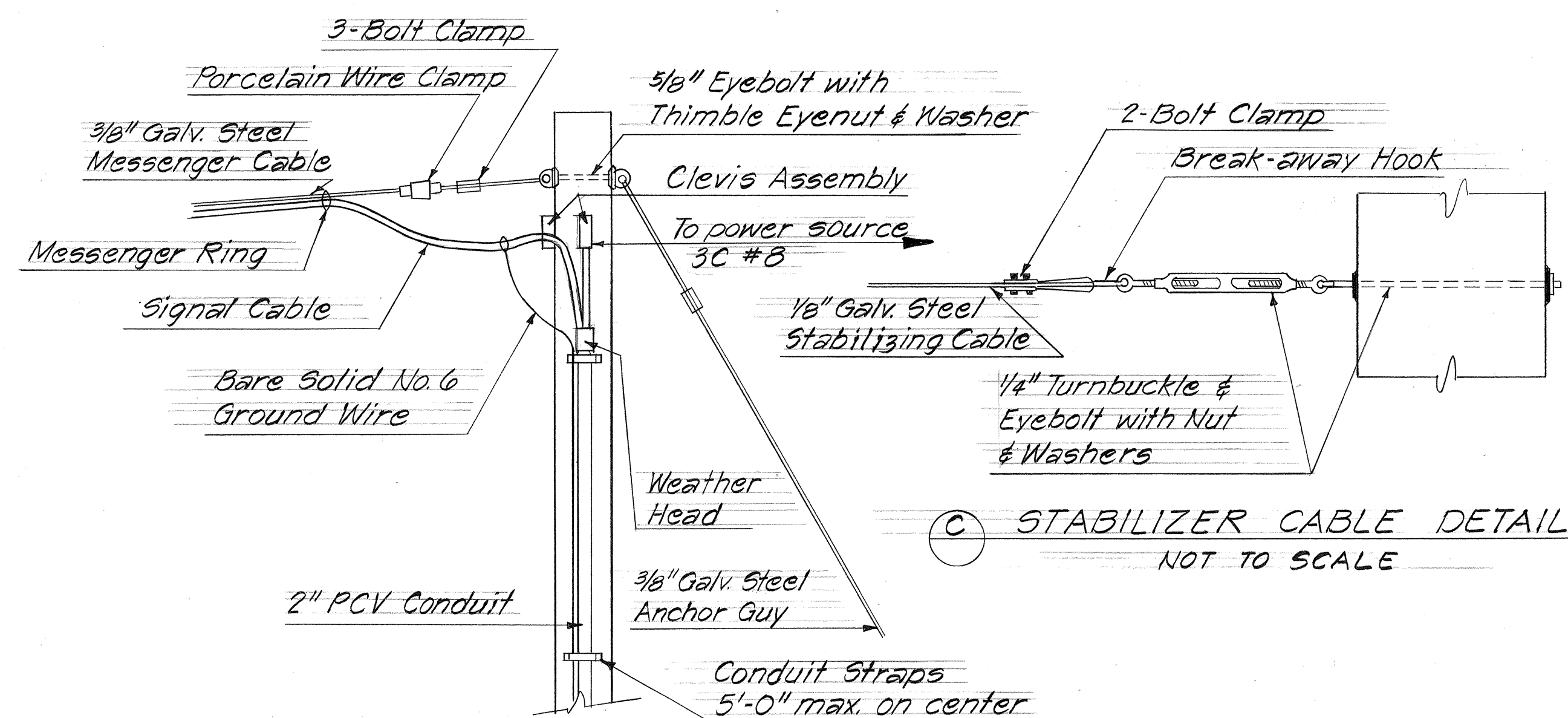
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	14	123



TYPICAL TEMPORARY OVERHEAD SIGNAL INSTALLATION
NOT TO SCALE

DETOUR TRAFFIC SIGNAL NOTES

1. Temporary traffic signals shall conform to all applicable requirements of Section 623 of the Special Provisions and Standard Specifications, typical and standard details.
2. All wood poles shall be located in a position which will not require relocation through the various phases of construction.
3. Check utility line locations before placing temporary signal pole.
4. Final hookup and timing by Traffic Engineering Department of the City & County of Honolulu.



(C) STABILIZER CABLE DETAIL
NOT TO SCALE

(B) TRAFFIC SIGNAL POLE DETAIL
NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL TEMPORARY
OVERHEAD SIGNAL INSTALLATION
KAMEHAMEHA HWY., WAHIAWA
AVOCADO ST. TO KILANI AVE.
FED. AID PROJECT NO. F-F-080-1(5)

SHEET NO. OF SHEETS