

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	331-130	1967	27	292

SUGGESTED CONSTRUCTION PHASING AND TRAFFIC DETOUR

PHASE I

- A. ROADWAY:**
- Construct Vineyard East Bound lanes with temporary connections at (1) Capt. Cook Avenue and (2) Lunalilo Street as shown in plan.
 - The Lunalilo Street connection shall utilize the paved shoulder to make a three lane approach to the connection.
 - Construct Freeway East Bound lanes from Sta. 181+00 to Sta. 193+75 and a temporary connection to the Lunalilo-Victoria intersection.
 - Widen Ward Avenue.
 - Construct portion of Frontage Road "K" as indicated on plan.
 - Install necessary drainage structures on Ward Avenue, Freeway and Vineyard Blvd.
- B. STRUCTURES:**
- Construct Vineyard Bridge No. 2.
 - Construct south half on Ward Ave. Bridge spanning the eastbound lanes, except for the deck slab.
 - Construct retaining walls necessary for construction of the roadway in this phase. (S-III, S-X, S-VI and S-II).
- C. UTILITIES:**
- Install portion of LINE "W-5" and LINE "W-4" (20" and 18" water lines on Alapai Street) and make temporary connections for continuity of service.
 - Install LINE "W-2" (12" water line) and LINE "S-2" (10" sewer line) on Frontage Road "J".
 - Install LINE "W-1" (6" water line at Vineyard Sta. 156+30).
 - Install all utilities on Ward Avenue outside of bridge area. Install temporary connection for electric and telephone lines across freeway excavation.

- D. TRAFFIC DETOUR:**
- Use existing westbound traffic pattern prior to construction: one way on Lunalilo Street, Captain Cook Avenue and Magellan Avenue.
 - Ward Avenue to be closed temporarily.
 - Two-way traffic on Victoria Street.
 - Pele, Miller, Frear, Lauhala, Alapai Streets to be closed permanently.

**WARD AVE
CLOSED**
Temporary Sign

PHASE II

- A. ROADWAY:**
- Construct eastbound lanes of freeway from the beginning of project to Vineyard Bridge No. 1, Sta. 181+00.
- B. STRUCTURES:**
- Construct retaining walls: S-IA.
 - Construct Abutment No. 2 of Vineyard Bridge No. 1.
- C. UTILITIES:**
- Install all electric duct lines on Pele Street.
 - Install LINE "S-4" (8" sewer line on Frear Street).
 - Complete LINE "W-5" and LINE "W-4" (20" and 18" water lines on Alapai Street).

- D. TRAFFIC DETOUR:**
- Westbound traffic:
 - To Vineyard Boulevard - detour on newly constructed freeway and Vineyard east-bound lanes.
 - To freeway - via Lunalilo Street, Captain Cook Avenue and Magellan Avenue - 2 lanes wide.
 - Two-way traffic on Victoria Street.

LEGEND

	PERMANENT ROADWAY
	UNDER CONSTRUCTION
	CONSTRUCTED ROADWAY
	TEMPORARY ROADWAY
	UNDER CONSTRUCTION
	EXISTING STREET
	BRIDGE UNDER CONSTRUCTION
	TRAFFIC MOVEMENT

NOTE:

Temporary signs shown on these plans will be paid for under Item No. 125.01 "Construction and Maintenance of Special Detours."

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

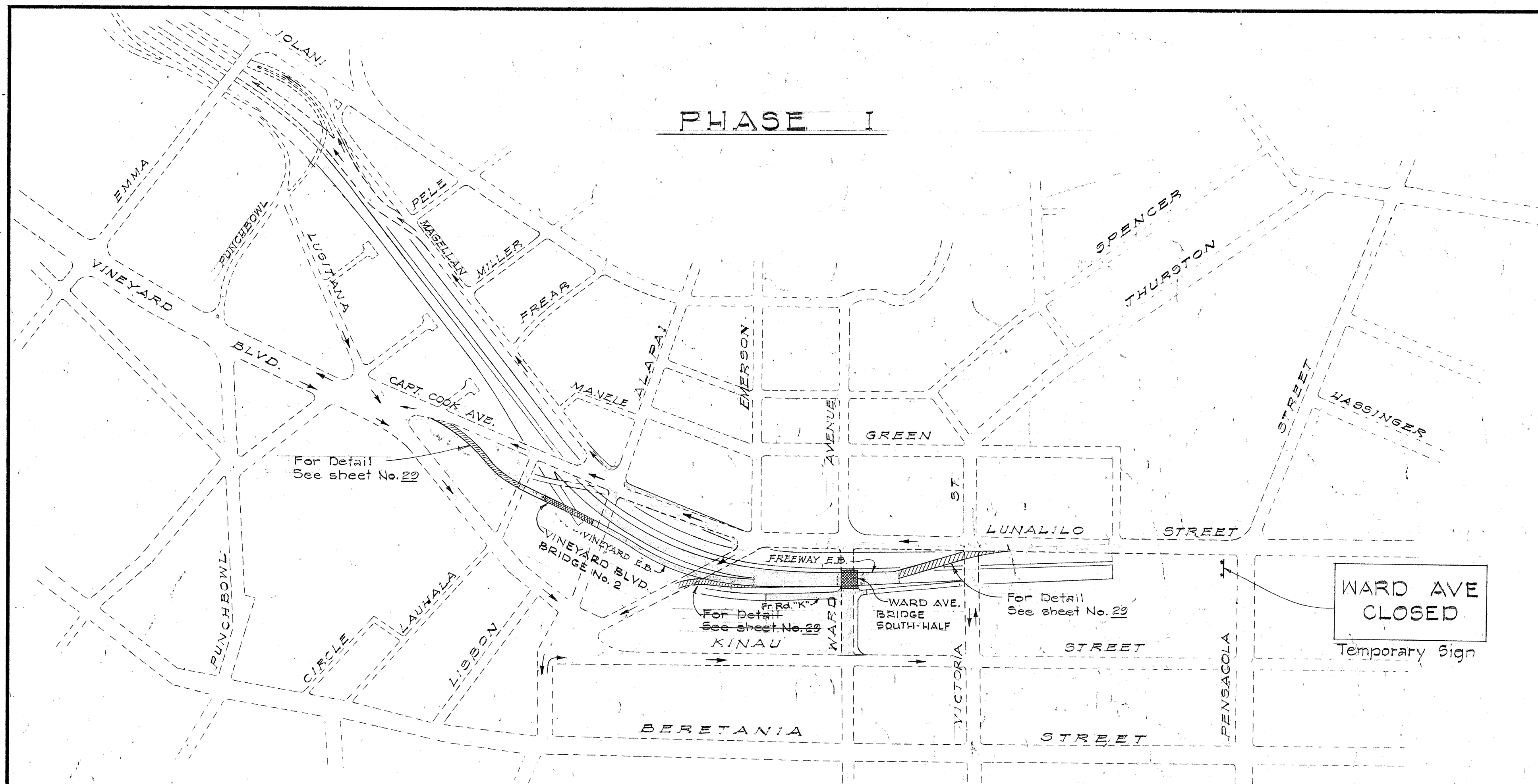
**SUGGESTED CONSTRUCTION
PHASING AND TRAFFIC DETOURS**

INTERSTATE ROUTE H-1
(LUNALILO FREEWAY)
Pele Street to Victoria Street
F.A.I. Proj. No. I-H1-1 (31), Unit 1

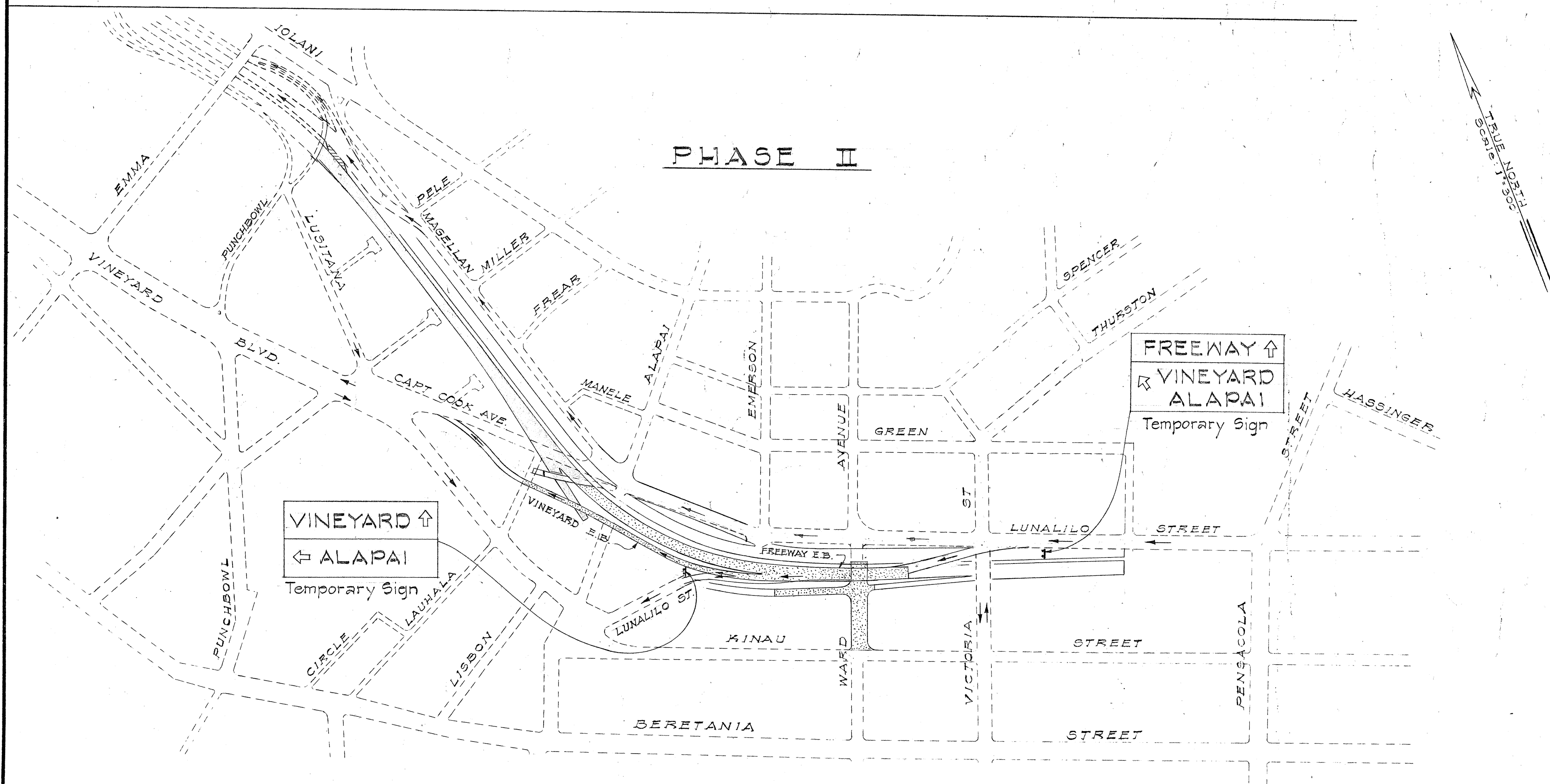
Scale: 1" = 300' Date: April, 1966

SHEET No. 1 OF 3 SHEETS

PHASE I



PHASE II



DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-101-3(3)	1967	28	202

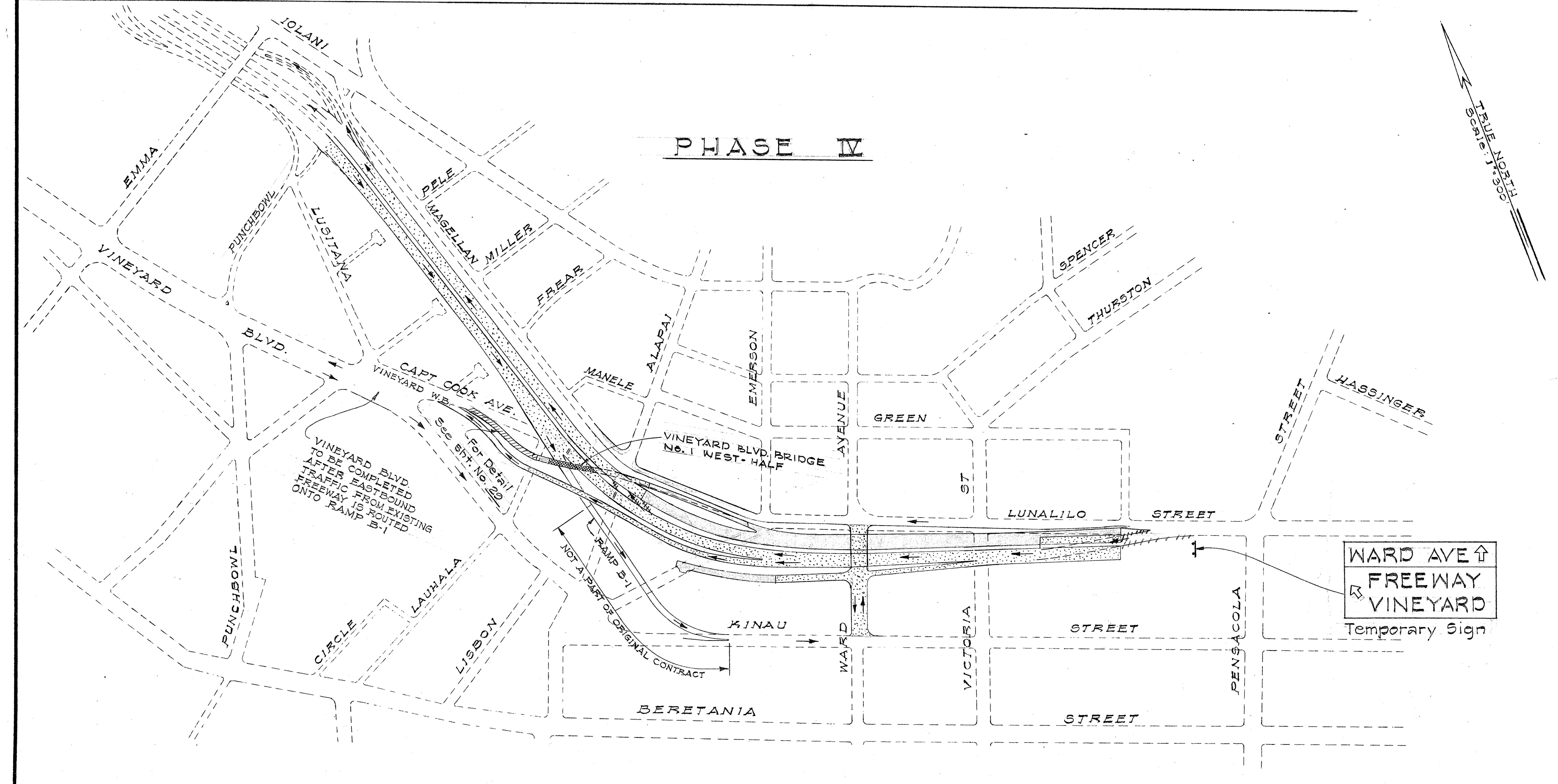
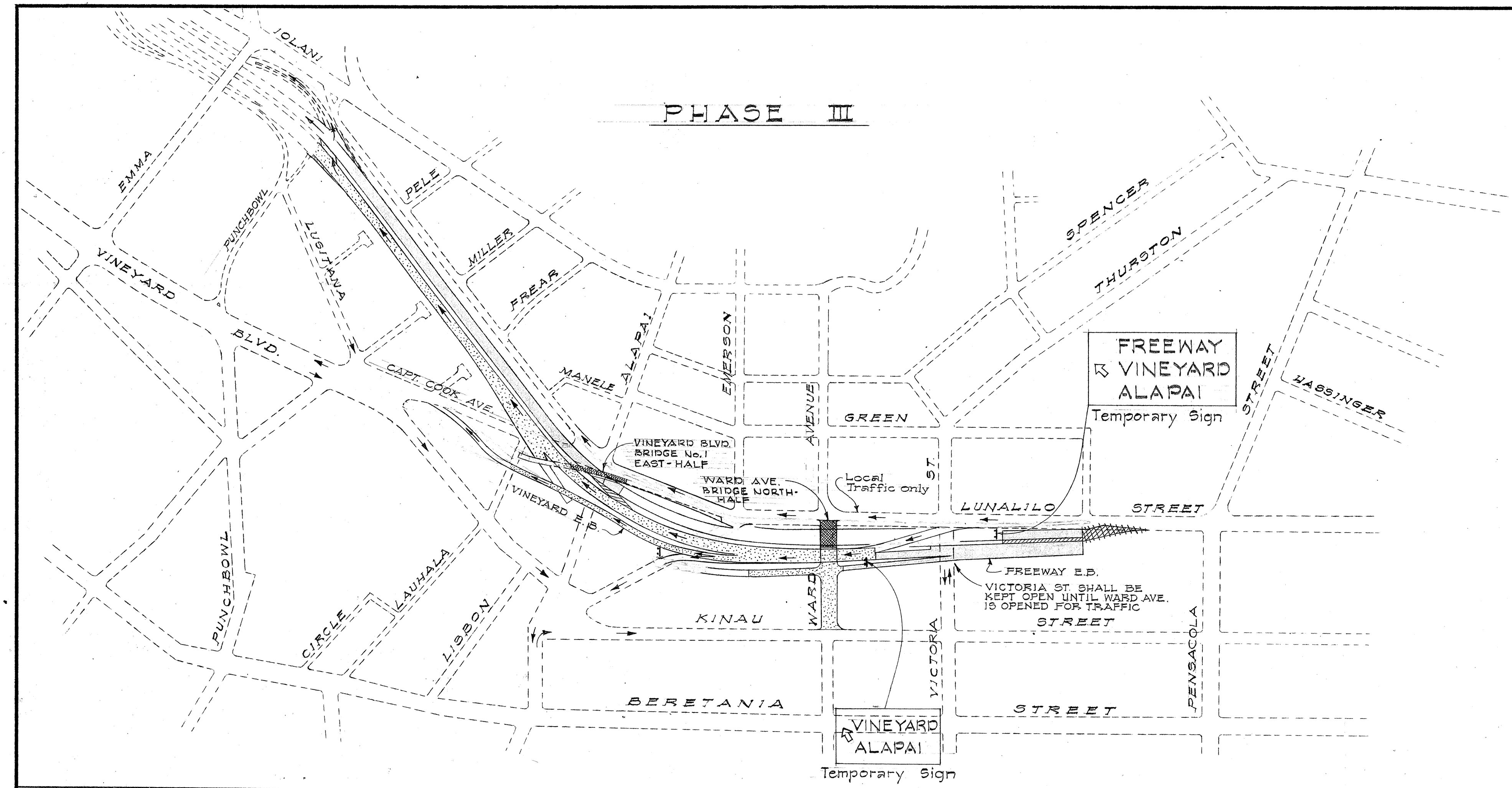
SUGGESTED CONSTRUCTION PHASING AND TRAFFIC DETOUR

PHASE III

- A. ROADWAY:**
1. Construct West Bound lanes of freeway from beginning of project to Sta. 185+001.
 2. Construct freeway lanes as shown on plans omit concrete pavement for Ramp E.
- B. STRUCTURES:**
1. Construct north half of Ward Avenue Bridge.
 2. Construct east half of Vineyard Bridge No. 1.
 3. Construct retaining walls necessary for the construction of roadways in this phase (N-II, S-IX, and S-XI).
- C. UTILITIES:**
1. Complete permanent connections through Ward Avenue Bridge.
- D. TRAFFIC DETOUR:**
1. Westbound traffic:
 - a. Vineyard Boulevard - Same as in Phase II.
 - b. Freeway - Via East Bound freeway lanes.
 2. Two-way traffic on Victoria Street until Ward Avenue can be opened for traffic.

PHASE IV

- A. ROADWAY:**
1. Construct remaining portions of freeway and Vineyard Boulevard.
 2. Install drainage structures on Frontage Road "J".
- B. STRUCTURES:**
1. Construct retaining wall necessary for the construction of the roadways in this phase (N-III and N-IV).
- C. UTILITIES:**
1. Install LINE 'S-1' (8" sewer line on Frontage Road "J" Sta. 37+40 to Sta. 41+35).
- D. TRAFFIC DETOURS:**
1. Westbound freeway traffic - Connect to freeway westbound lane near Alapai Street via temporary cross-over.
 2. Route eastbound freeway traffic on Ramp 'B-1' as soon as possible.
 3. Westbound Vineyard traffic - Route onto westbound Vineyard lanes as soon as possible in order to complete Vineyard Boulevard at Lusitana Street.
 4. Eastbound traffic - Route eastbound traffic from the freeway near Emma Street on to freeway eastbound lanes as directed by the Engineer. This order will be given only if Ramp B-1 is completed.



LEGEND

- PERMANENT ROADWAY UNDER CONSTRUCTION
- CONSTRUCTED ROADWAY
- TEMPORARY ROADWAY UNDER CONSTRUCTION
- EXISTING STREET
- BRIDGE UNDER CONSTRUCTION
- TRAFFIC MOVEMENT

NOTE:

Temporary signs shown on these plans will be paid for under Item No. 123.01 "Construction and Maintenance of Special Detours."

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SUGGESTED CONSTRUCTION PHASING AND TRAFFIC DETOURS

INTERSTATE ROUTE H-1 (LUNALILO FREEWAY)
Pele Street to Victoria Street
F.A.I. Proj. No. I-H1-(3), Unit 1

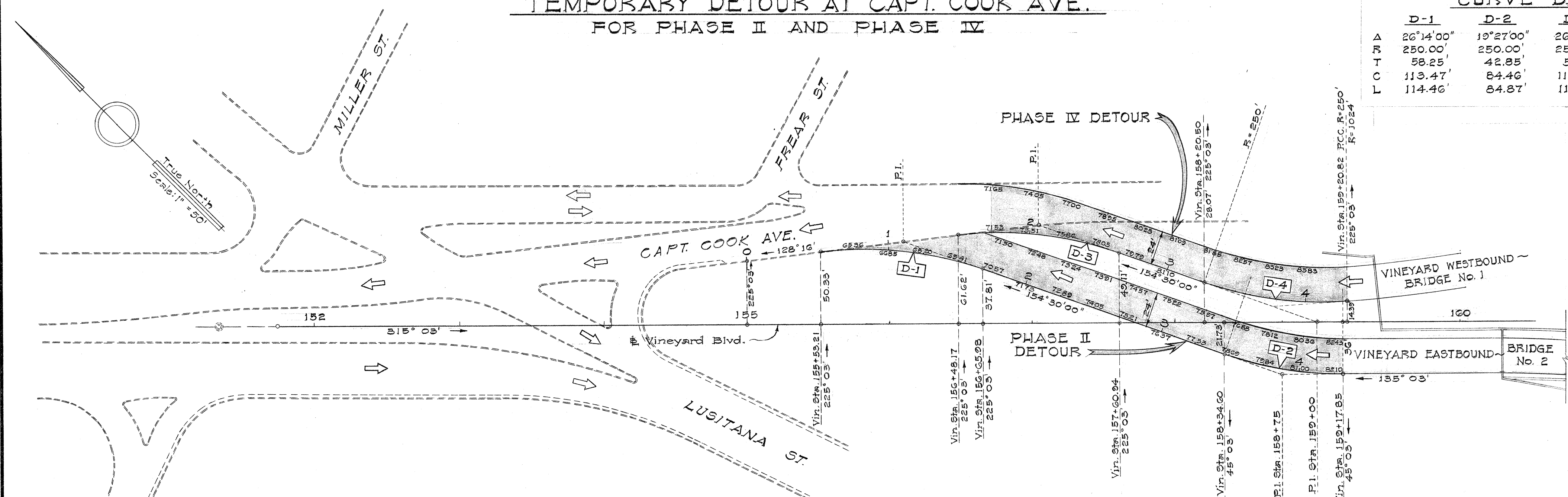
Scale: 1" = 300' Date: April, 1966
SHEET No. 2 OF 3 SHEETS

SURVEY PLATTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

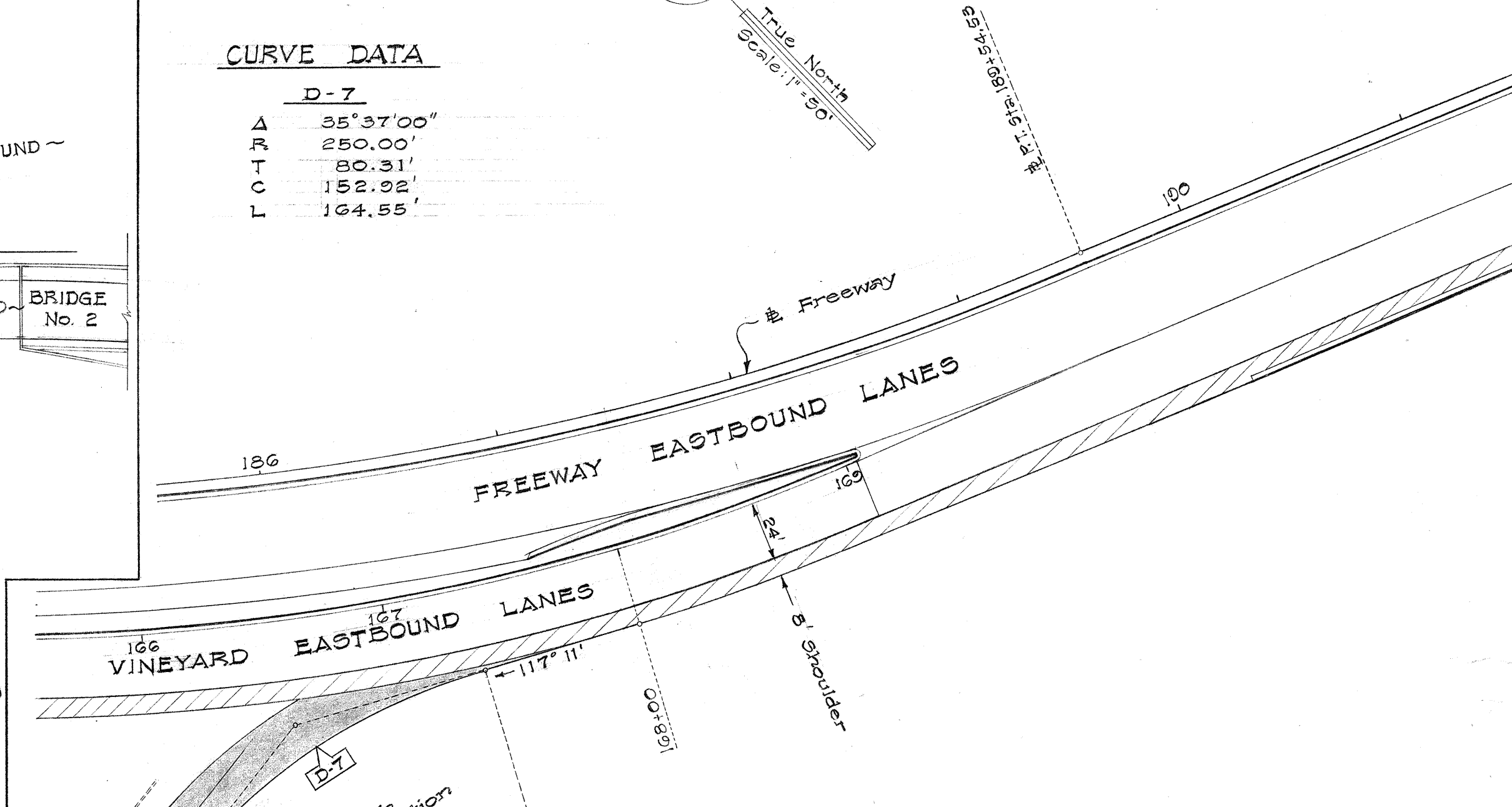
TEMPORARY DETOUR AT CAPT. COOK AVE. FOR PHASE II AND PHASE IV

	D-1	D-2	D-3	D-4
Δ	26°14'00"	19°27'00"	26°14'00"	23°22'02"
R	250.00'	250.00'	250.00'	250.00'
T	58.25'	42.85'	58.25'	51.70'
L	113.47'	84.46'	113.47'	101.25'
L	114.46'	84.87'	114.46'	101.96'

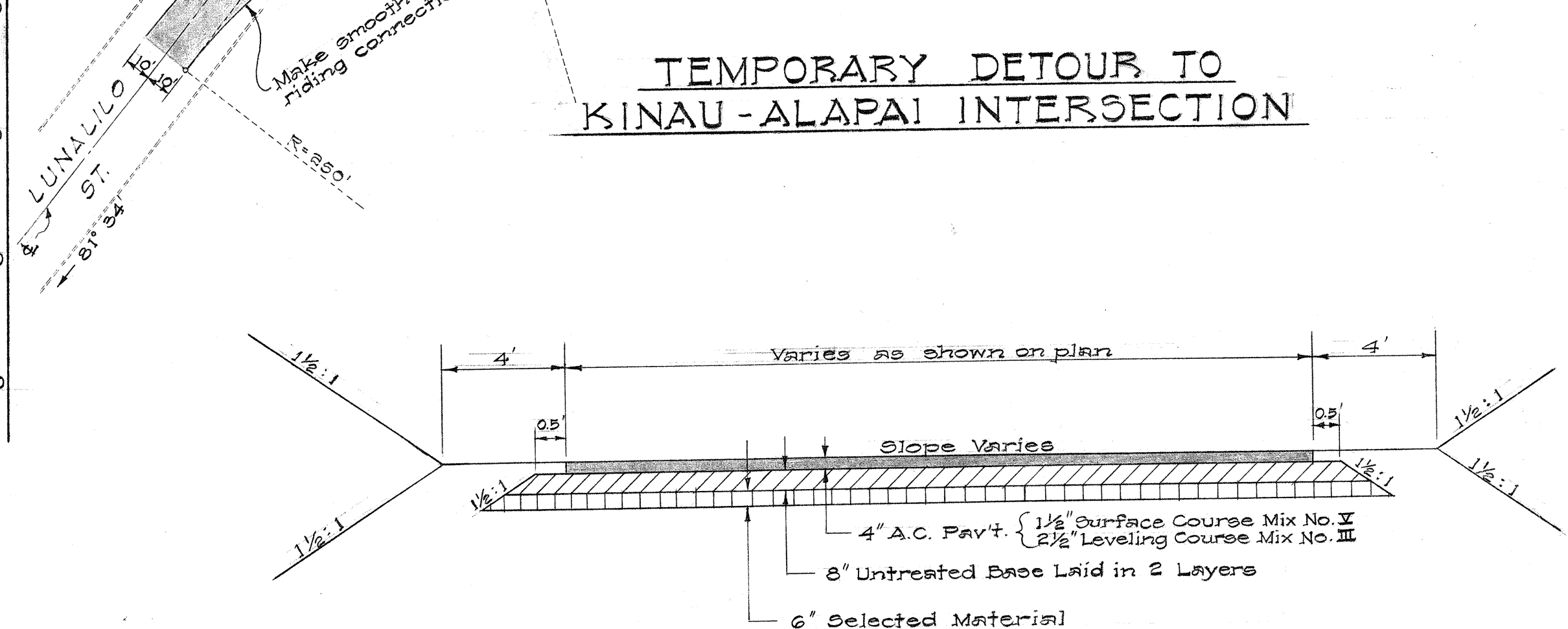
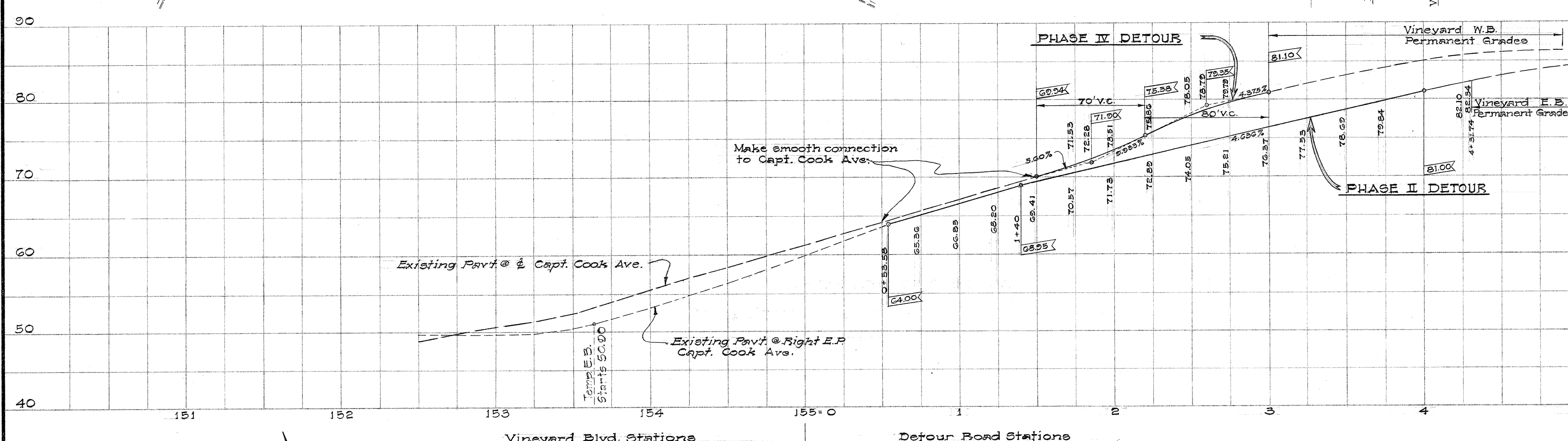
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HA-1(30) Unit 1	1967	20	292



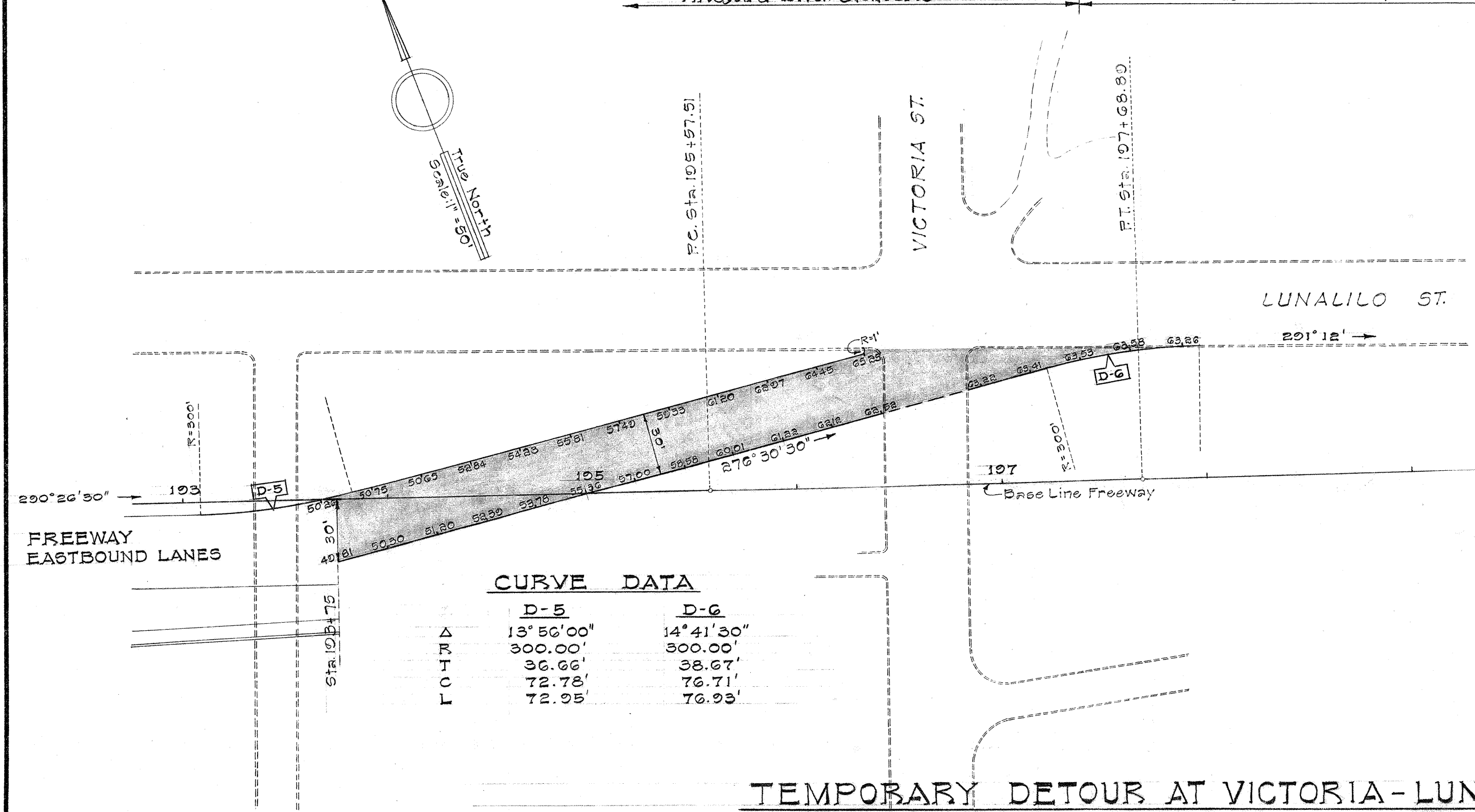
	D-7
Δ	35°37'00"
R	250.00'
T	80.31'
L	152.92'
L	164.55'



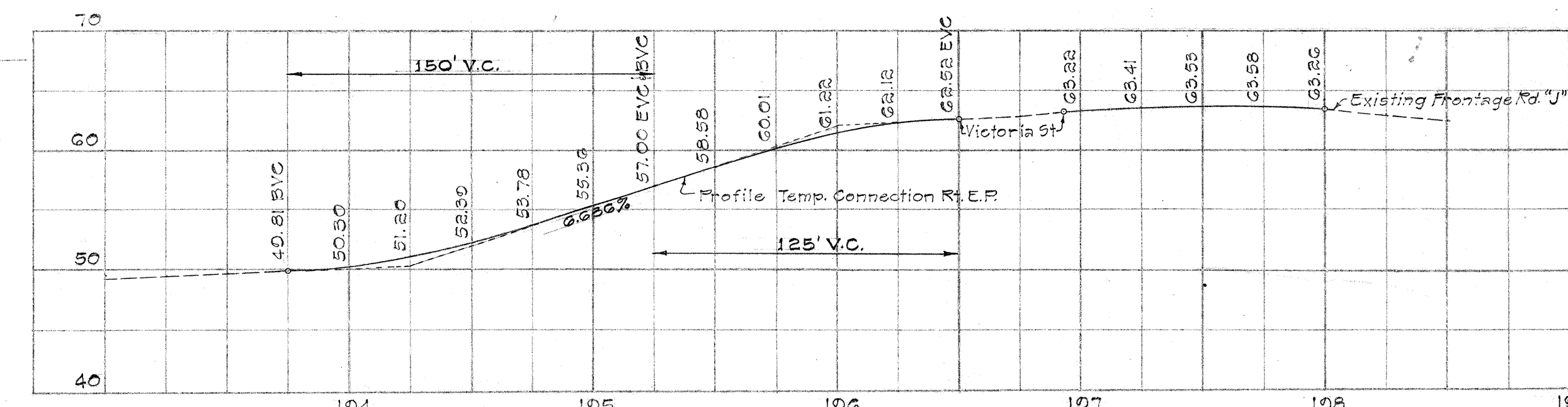
TEMPORARY DETOUR TO KINAU-ALAPAI INTERSECTION



TYPICAL SECTION OF TEMPORARY DETOURS



	D-5	D-6
Δ	13°56'00"	14°41'30"
R	300.00'	300.00'
T	36.66'	38.67'
L	72.78'	76.71'
L	72.95'	76.93'



TEMPORARY DETOUR AT VICTORIA-LUNALILO INTERSECTION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF DETOURS

INTERSTATE ROUTE H-1
(LUNALILO FREEWAY)
Pele Street to Victoria Street
H.A.I. Proj. No. I-H-1(31), Unit 1

Scale: As Shown Date: April, 1966

SHEET No. 3 OF 3 SHEETS

DATE	
ORIGINAL PLAN	
TRACED BY	
NOTED BY	
CHECKED BY	
No.	