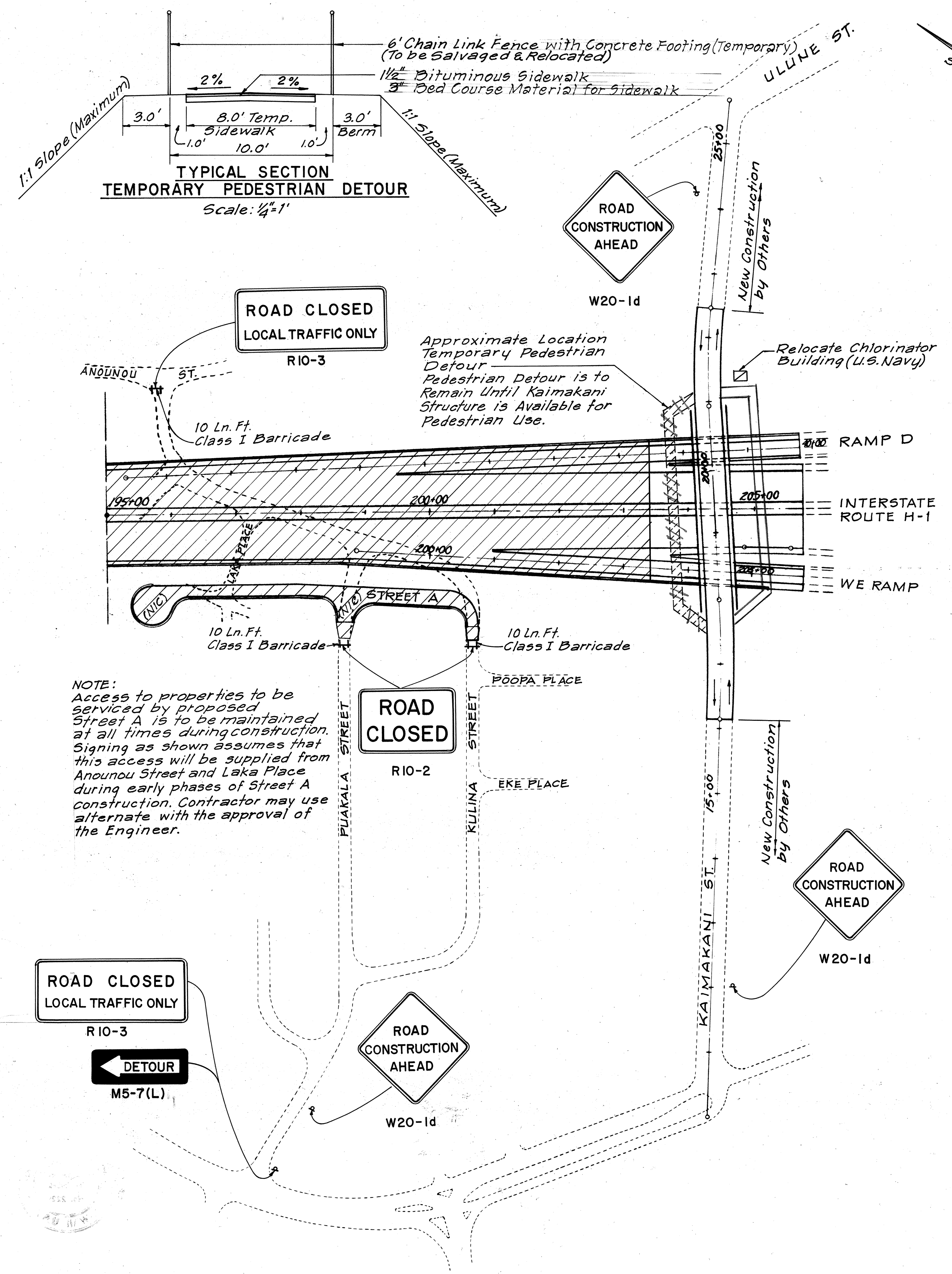
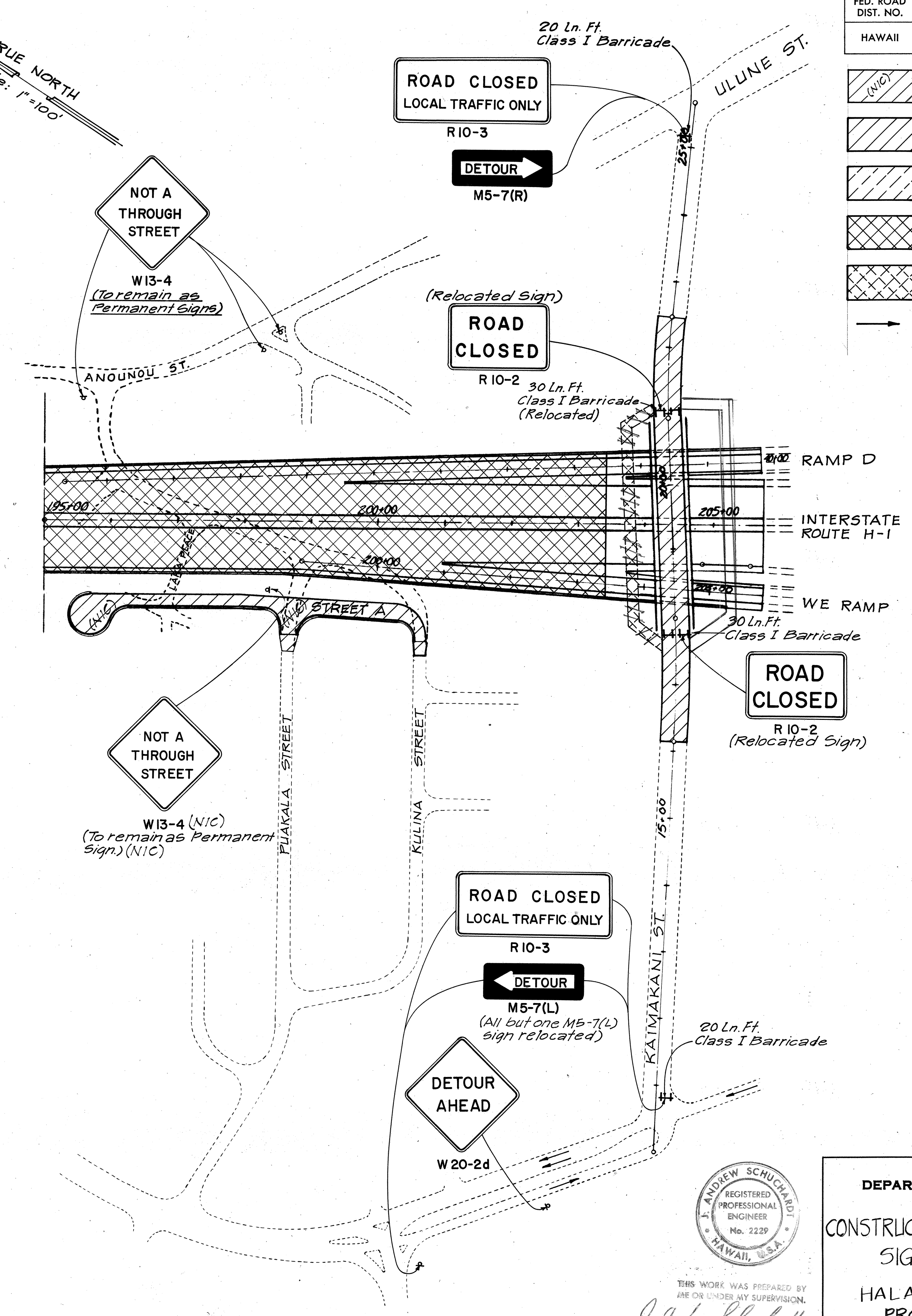


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-111(77):13	1969	51	155

	Not included in contract
	Construction - This Phase
	Temporary Construction - This Phase
	Completed Construction
	Completed Temporary Construction
	Traffic Flow to be maintained during Phase (one arrow per lane)



**PHASE I**



**PHASE II**

DATE	11/28/69
SURVEY PLOTTED BY	J. SCHUCHART
DRAWN BY	J. SCHUCHART
DESIGNED BY	J. SCHUCHART
QUANTITIES BY	J. SCHUCHART
CHECKED BY	J. SCHUCHART
NOTE BOOK	
NO.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
J. Andrew Schuchart

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION


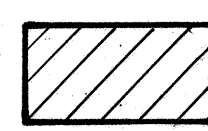
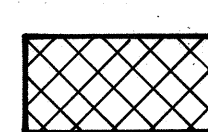
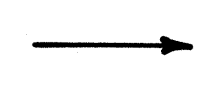
**CONSTRUCTION SEQUENCE & TEMPORARY SIGNING (PHASES I & II)**

HALAWA INTERCHANGE  
PROJECT NO. I-HI-1(77):13

SCALE: AS NOTED DATE: NOV. 28, 1969

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(77)-13	1969	52	154

-  Not included in Contract
-  Construction This Phase
-  Completed Construction
-  Traffic Flow to be maintained during Phase (one arrow per lane)

**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 sequence as shown in the plans is to be considered a suggested method. The Contractor, with the approval of the Engineer, may adjust sequence and phasing.
3. The construction indicated for any phase may be initiated in an earlier phase, and phases may overlap.
4. No vehicular through traffic need be maintained on Kaimakani Street during the construction of Structure No. 1.
5. Prior to any relocation of the existing U.S. Navy 24" water main on Kaimakani Street, the existing Chlorinator Building and Facilities must be relocated as shown on plans. The temporary relocation of the above 24" water main may be accomplished by a 12" water main with a maximum shut-down time of eight (8) hours for service on this line.
6. All utilities, guard rail, lighting, signing, hydro-mulching and other related work within each individual construction phase shall be performed completely or to the extend 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).
7. 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.
8. Temporary signs, barricades and other related work shown on the plans shall be paid for under applicable contract items.
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 and barricades between phases are to be considered incidental to the applicable items.
11. Contractor may substitute portable or temporary mountings for post mountings for construction and maintenance signs with the approval of the Engineer.
12. All signs and barricades for the purposes of traffic detours and construction sequencing shall become the property of the State upon completion of the project.
13. Unless noted otherwise, exact locations of signs and barricades shall be determined in the field by the Engineer.
14. Location of Interstate System Construction Identification Signs shall be determined in the field by the Engineer.

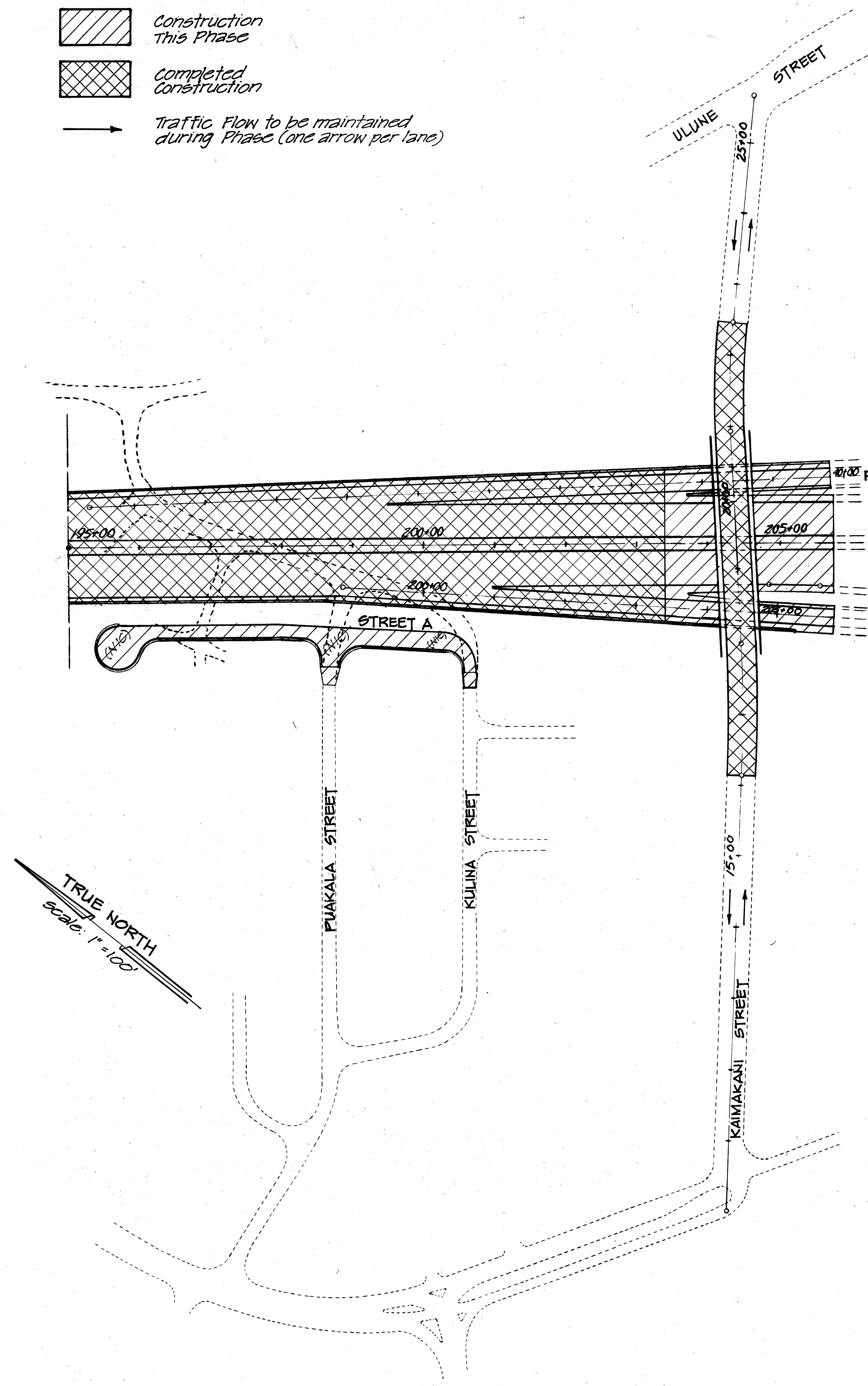
**SUMMARY OF TEMPORARY WARNING AND REGULATORY SIGNS (All Phases)**

Type	Message	Quantity	
		w/Post	w/o Post
M5-7(L)	DETOUR (Arrow)	*	1
M5-7(R)	DETOUR (Arrow)	*	1
R2-1(40)-E	SPEED LIMIT 40		1
R10-2	ROAD CLOSED		2
R10-3	ROAD CLOSED-LOCAL TRAFFIC ONLY		3
W13-4	NOT A THROUGH STREET		3
W20-1d	ROAD CONSTRUCTION AHEAD	*	3
W20-2d	DETOUR AHEAD	*	1
*Construction and Maintenance Signs			
Totals			9
			7

Note sheet 10 for signs to remain in place as permanent signs.

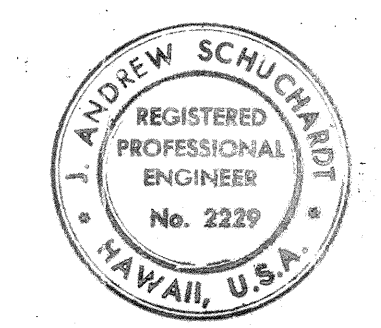
**SUMMARY OF MISCELLANEOUS ITEMS (All Phases)**

Item	Quantity
Class I Barricades (10'-0" long)	10 Each



**PHASE III**

DATE: NOV 69  
 SURVEY PLOTTED BY: [Name]  
 DRAWN BY: [Name]  
 DESIGNED BY: [Name]  
 QUANTITIES BY: [Name]  
 CHECKED BY: [Name]



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 J. Andrew Schuchardt

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**CONSTRUCTION SEQUENCE (PHASE III)  
 AND GENERAL NOTES**

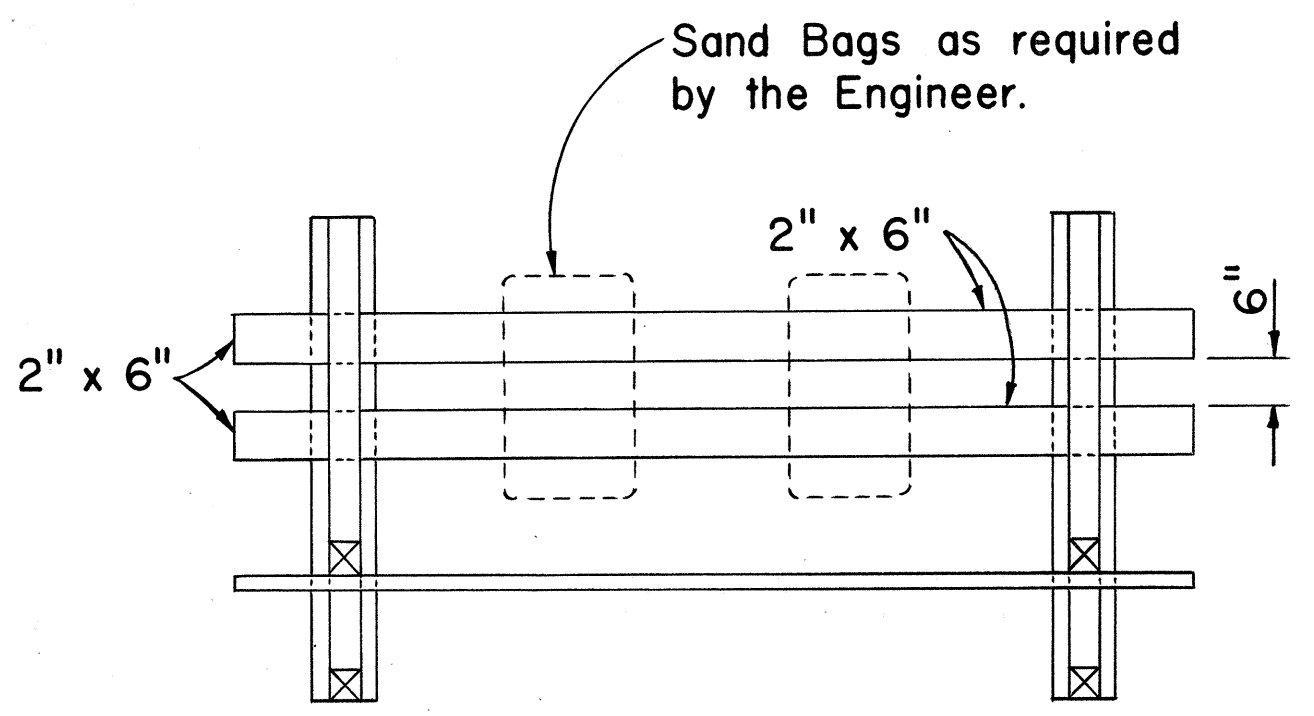
HALAWA INTERCHANGE  
 PROJECT NO. I-HI-1(77)-13

SCALE: AS NOTED      DATE: NOV. 28, 1969

**SHEET No. 2 OF 4 SHEETS**

52

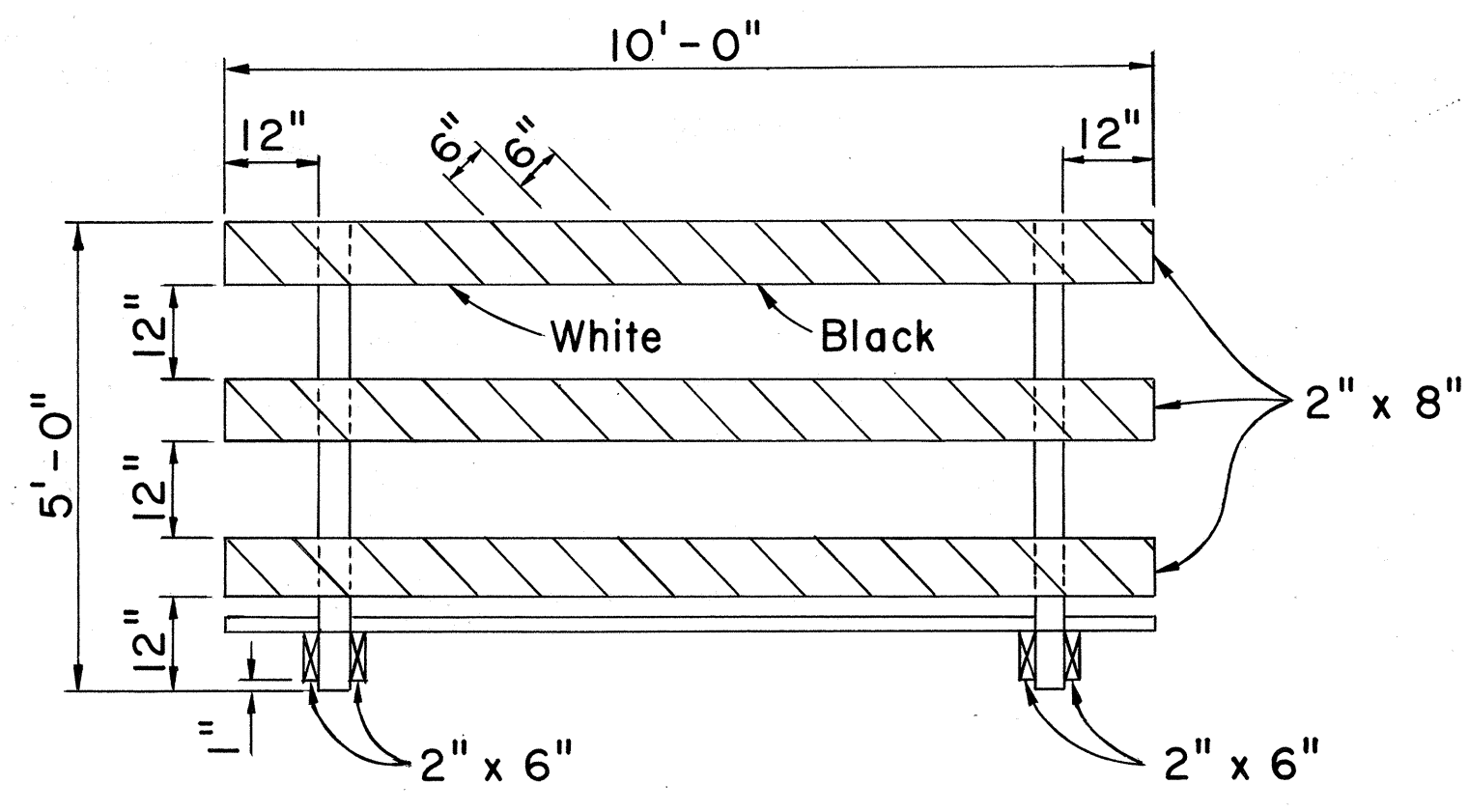
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(77)13	1967	53	154



PLAN VIEW

**GENERAL NOTES**

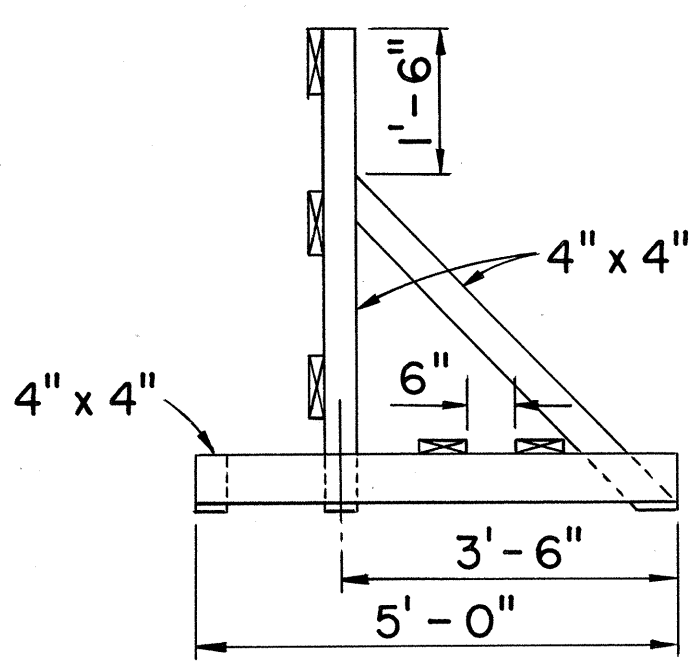
1. The Contractor shall construct, install and maintain the wood barricades at the locations shown on the Plans.
2. The permanent wood barricades shall be left in place or relocated upon completion of the project as ordered by the Engineer and are to become State property.



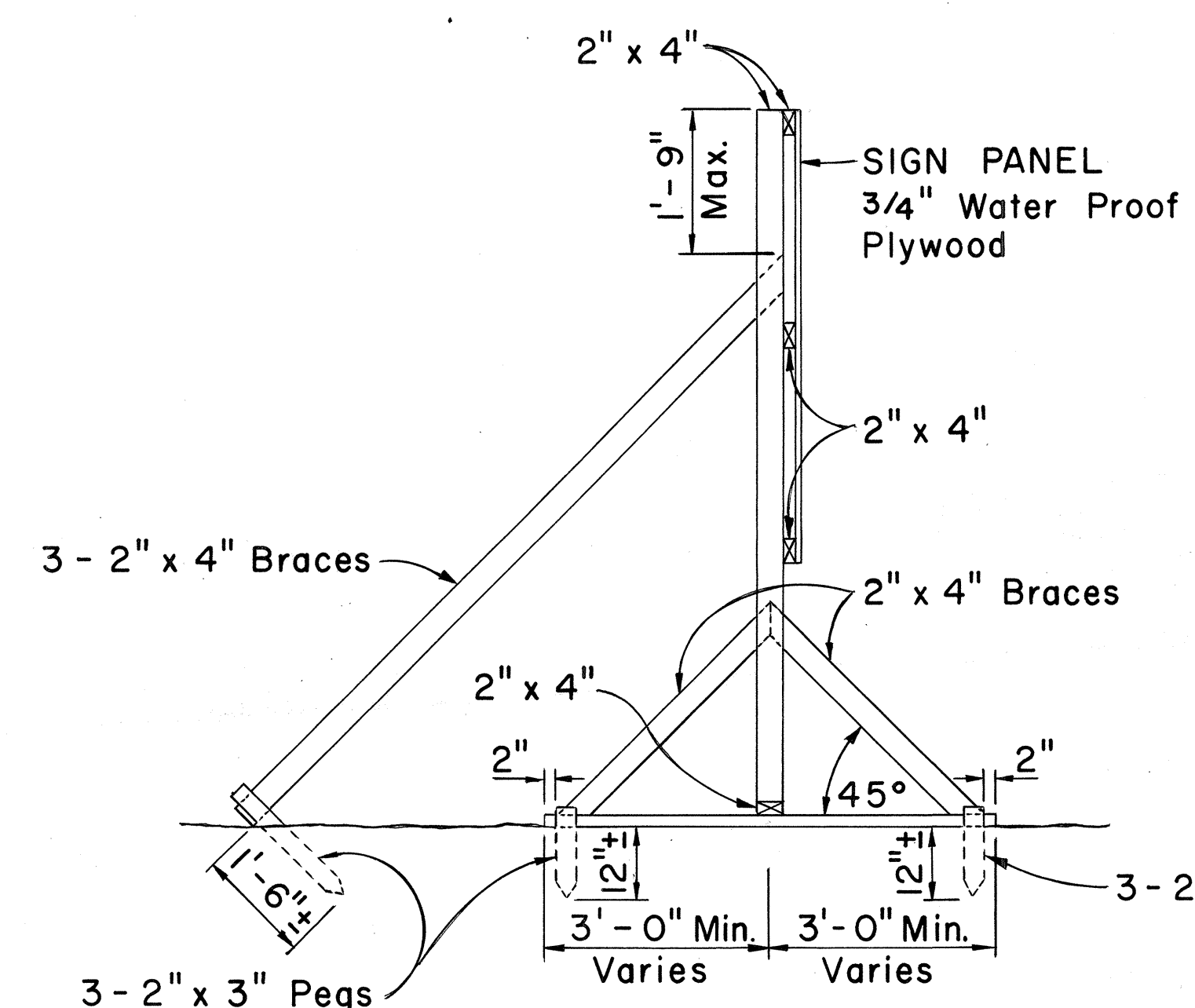
FRONT VIEW

**CLASS I BARRICADE**

Scale: 1/2" = 1'-0"

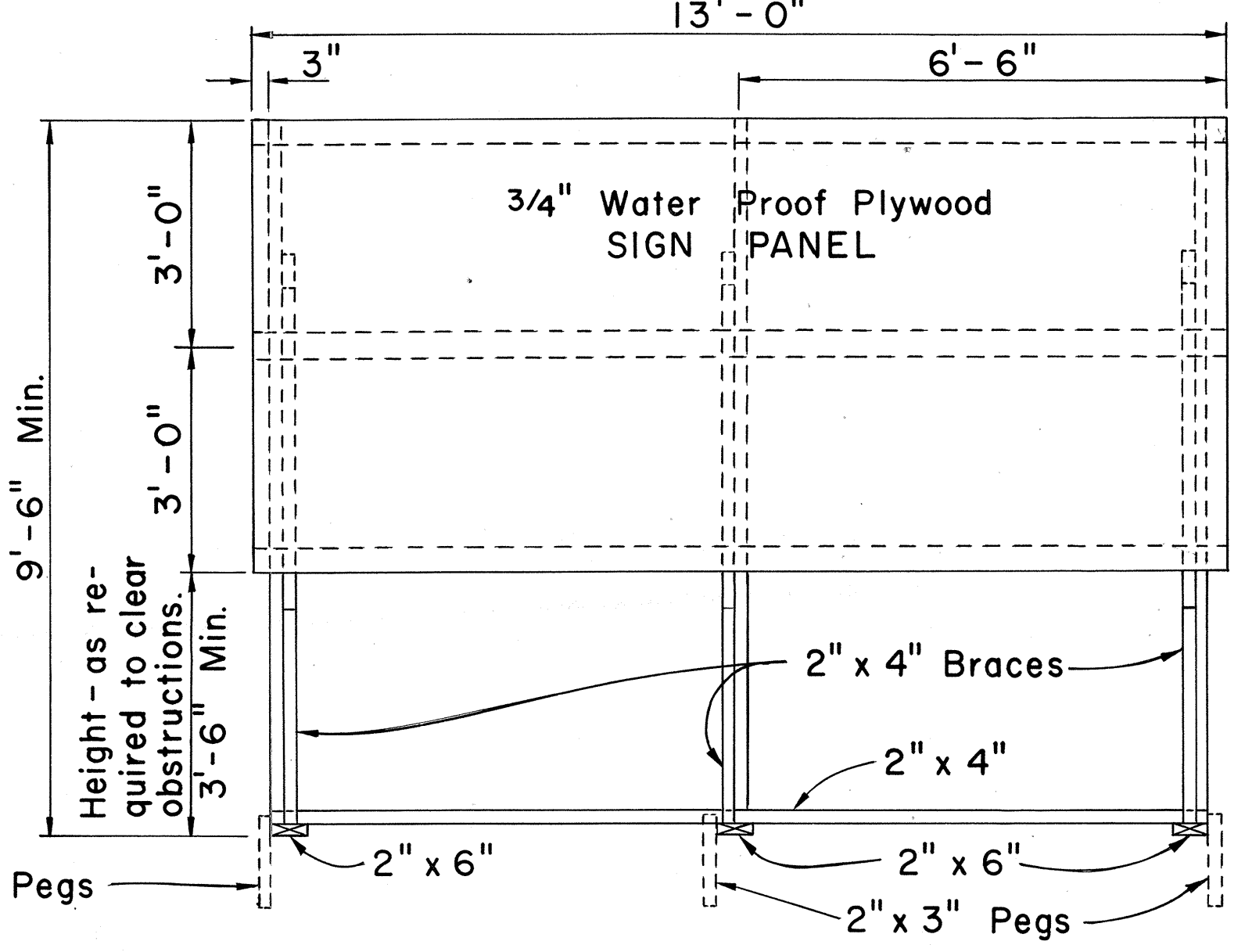


END VIEW



SIDE VIEW

(SIGN FRAME ANCHORED IN GROUND)  
Scale: 1/2" = 1'-0"



FRONT VIEW

Scale: 1/2" = 1'-0"

**GENERAL NOTES**

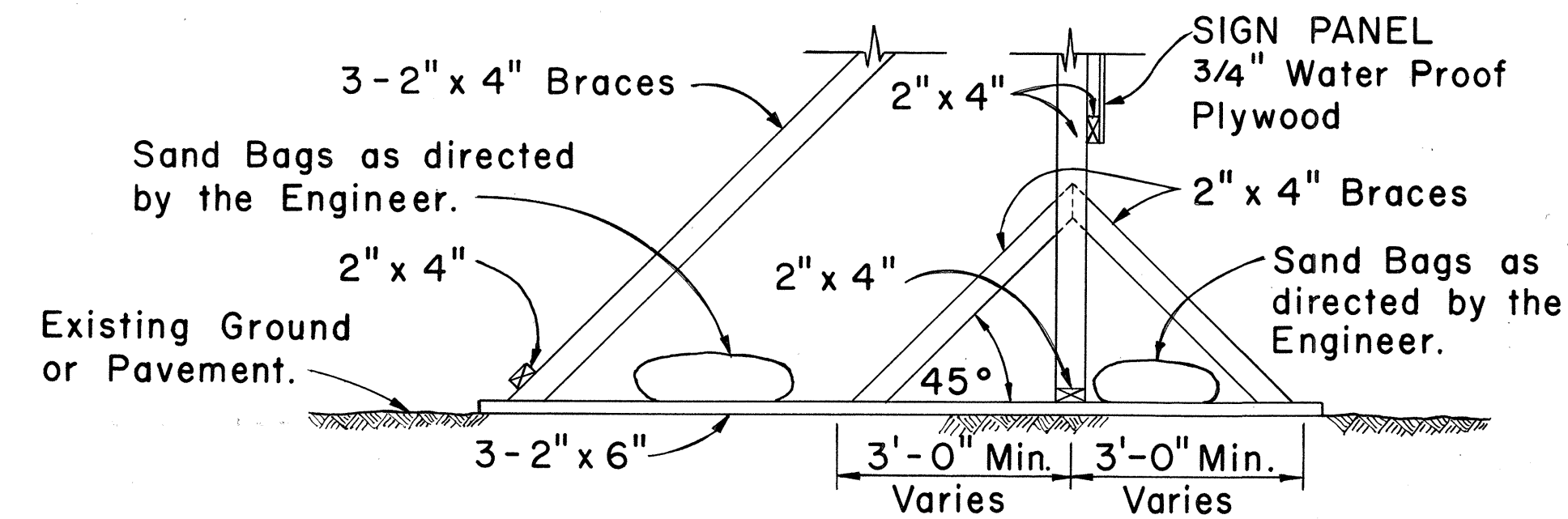
1. The sign legend shall be black on white background except for the Interstate Route marker which shall be as shown on the plan.
2. The Contractor shall construct, install and maintain the project signs at the locations shown on the Plans and as ordered by the Engineer.
3. Letters shall be Series "C" of the sizes shown on the Plan and shall conform with the "Standard Alphabet for Highway Signs", Bureau of Public Roads, 1966
4. The Contractor shall fill in the proper numerals in place of ciphers as ordered by the Engineer.

APPROVAL RECOMMENDED:

*Eishi Tanaka* 12/29/69  
TRAFFIC ENGINEER DATE

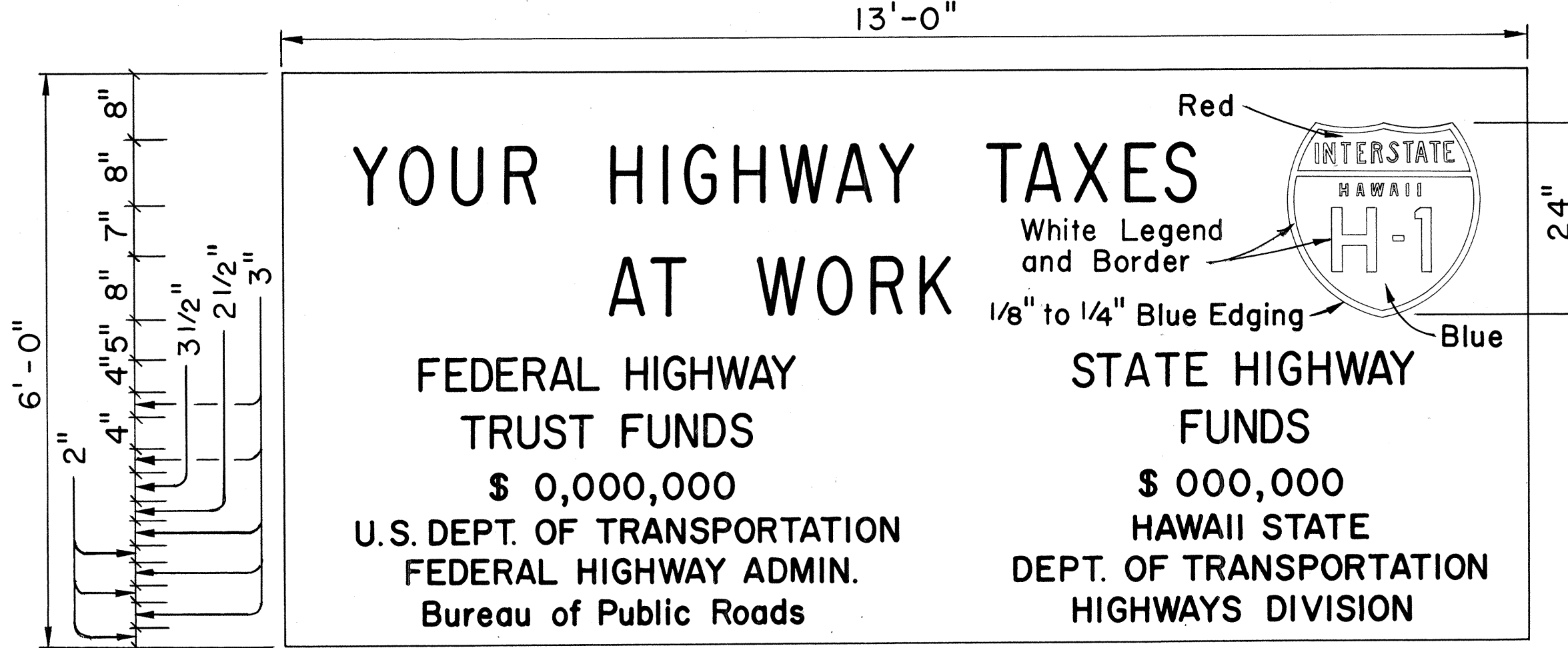
APPROVED:

*Julius S. Scott* 12-30-69  
ASSISTANT CHIEF, ENGINEERING DATE



SIDE VIEW

(SIGN FRAME WEIGHTED DOWN)  
Scale: 1/2" = 1'-0"

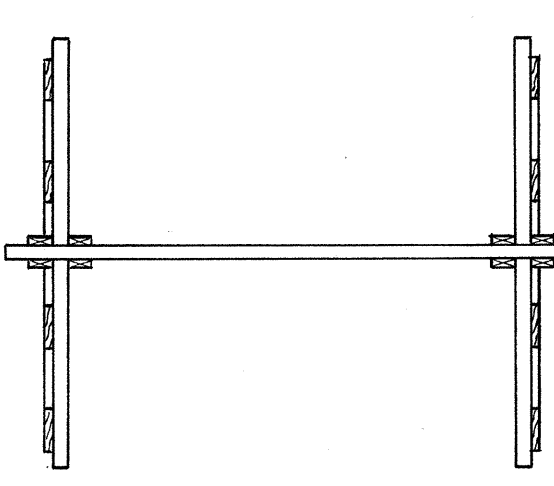


SIGN PANEL

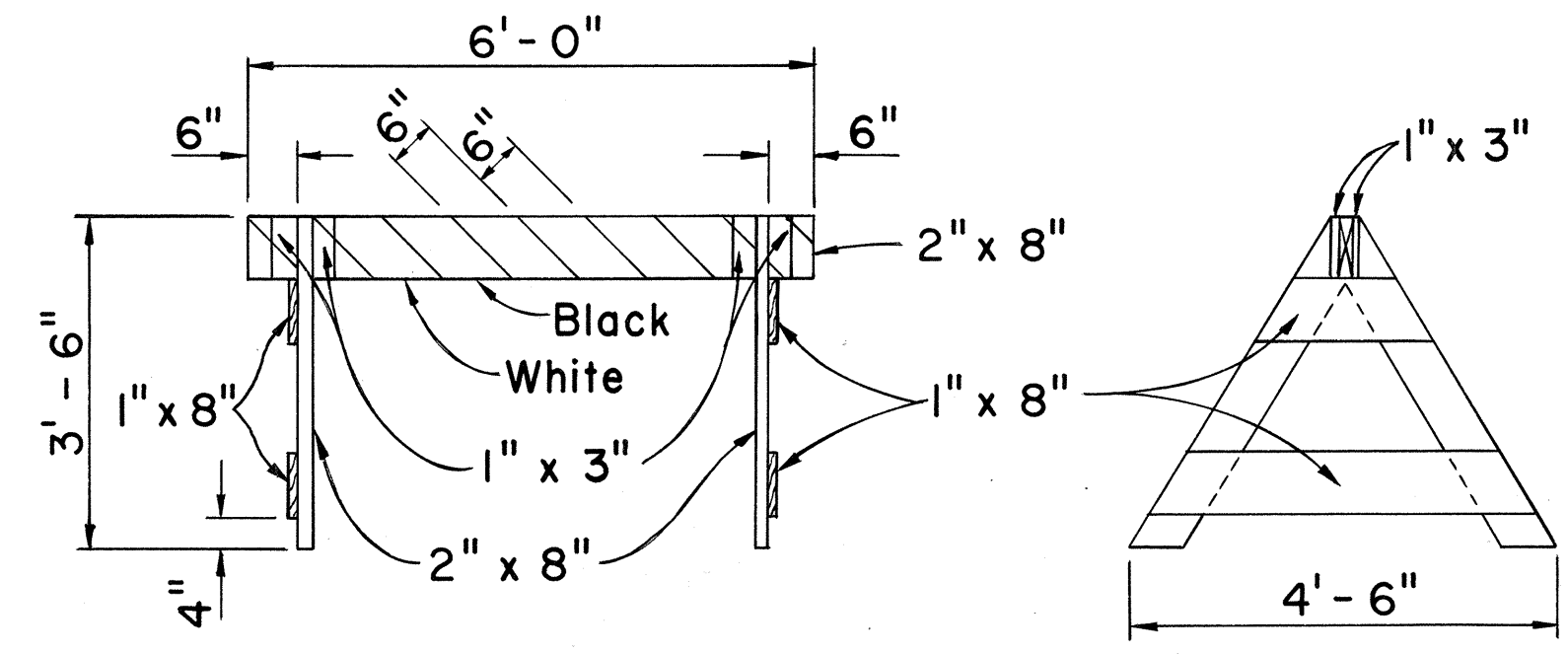
Scale: 3/4" = 1'-0"

**INTERSTATE SYSTEM  
CONSTRUCTION IDENTIFICATION SIGN**

Scale: As Shown



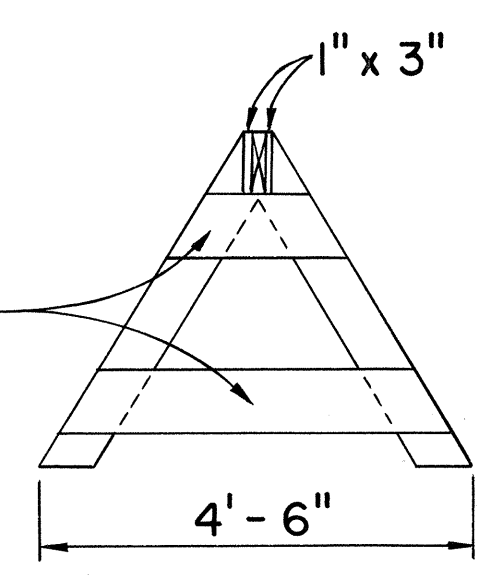
PLAN VIEW



FRONT VIEW

**CLASS II BARRICADE**

Scale: 1/2" = 1'-0"



END VIEW

DATE	DESIGNED BY
DATE	CHECKED BY
DATE	DESIGNED BY
DATE	CHECKED BY
DATE	DESIGNED BY
DATE	CHECKED BY
DATE	DESIGNED BY
DATE	CHECKED BY
DATE	DESIGNED BY
DATE	CHECKED BY

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL DETAILS**

CONSTRUCTION IDENTIFICATION SIGN  
AND  
WOOD BARRICADES

SCALE: As Shown DATE: \_\_\_\_\_

SHEET No. 3 OF 4 SHEETS DT 800

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1(77)-12	1969	54	154



W 7-2 48" x 48"



W 8-7 30" x 30"



W 14-1 30" x 30"



W 20-1a 48" x 48"



W 20-2d 48" x 48"



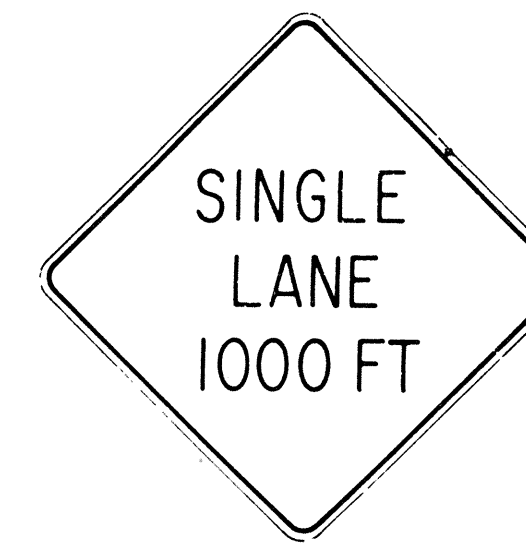
W 20-3b 48" x 48"



W 20-4d 48" x 48"



W 20-5d(L) 48" x 48"



W 20-6b 48" x 48"



W 20-7c 48" x 48"



W 21-1 30" x 30"



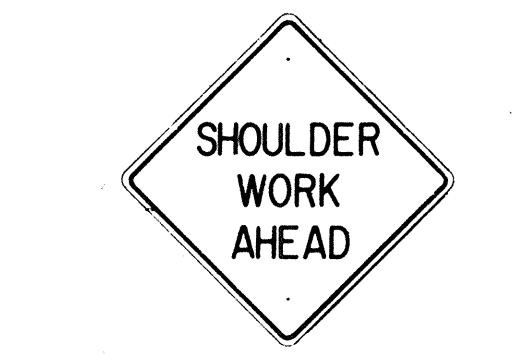
W 21-2 24" x 24"



W 21-3 36" x 36"



W 21-4 30" x 30"



W 21-5 30" x 30"



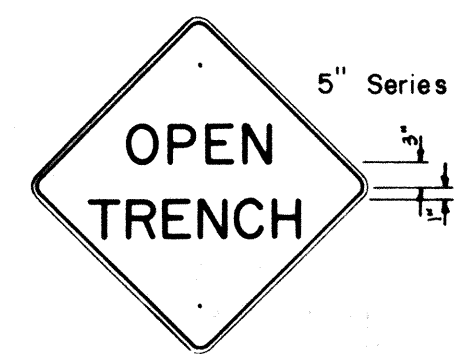
W 21-6 30" x 30"



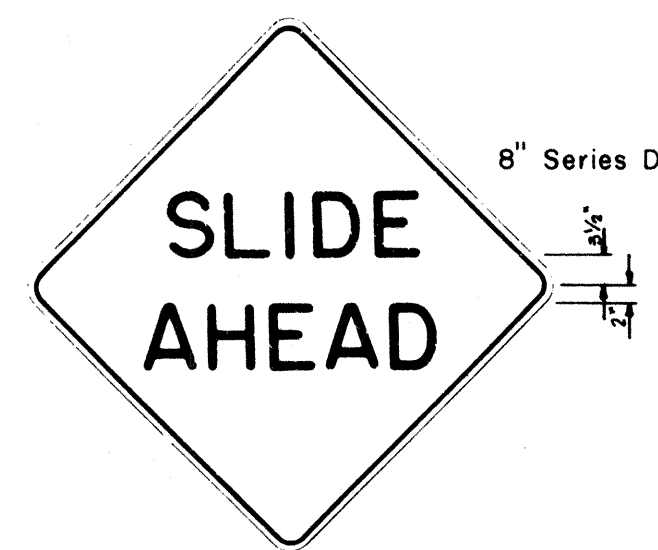
W 22-1 30" x 30"



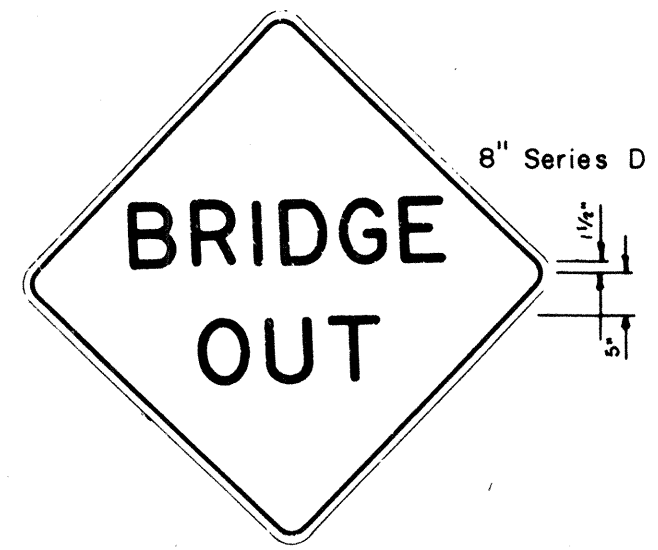
W 22-2 30" x 30"



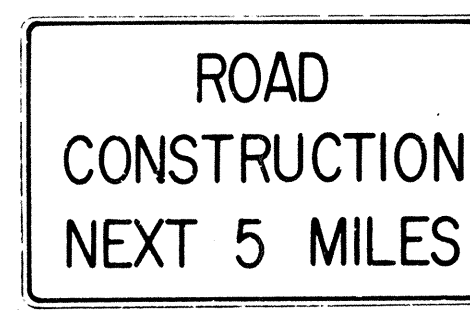
W 22-3 30" x 30"



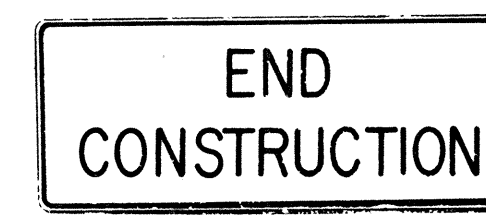
W 22-4 48" x 48"



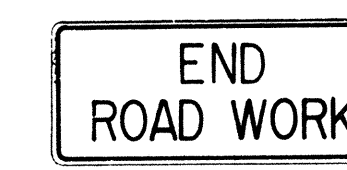
W 22-5 48" x 48"



G 20-1(5) 60" x 36"



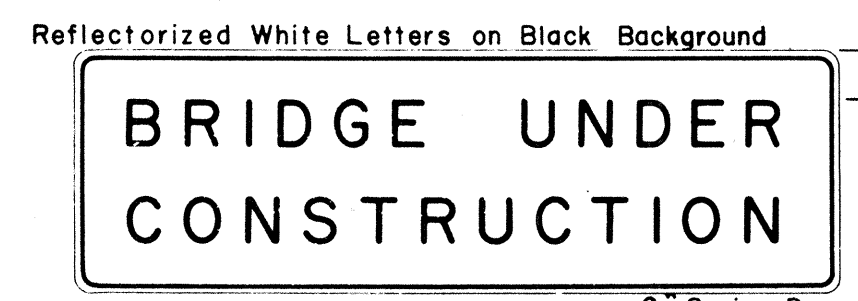
G 20-2 60" x 24"



G 20-3 42" x 18"



M 5-7(L) 48" x 18"



CW-1 96" x 30"

- NOTE:
- The shape, color, dimensions, symbols, wording, lettering and reflectorization of all 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.
  - All signs shall be reflectorized unless otherwise specified.
  - All signs shall have 3/8" bolt holes drilled at appropriate locations unless otherwise noted.
  - For W 20 series signs, suffixes a,b,c and d are as follows a 1500 FT, b 1000 FT, c 500 FT and d AHEAD
  - (R) or (L) indicates right or left and shall be as shown on the plans.
  - Number in ( ) indicates miles and shall be as shown on the plans.

DATE	
STRAYED BY	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

APPROVAL RECOMMENDED:  
*Eishi Tanaka* 12/29/69  
 TRAFFIC ENGINEER DATE

APPROVED:  
*Hubert J. ...* 12-30-69  
 ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**STANDARD DETAILS**  
**CONSTRUCTION SIGNS**

NOT TO SCALE