

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89)13	1971	81	362

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

- 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 UTILITY RELOCATIONS.
- 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.
- THE CONSTRUCTION INDICATED FOR ANY PHASE MAY BE INITIATED IN AN EARLIER PHASE, AND PHASES MAY OVERLAP.
- ALL TEMPORARY CONNECTIONS AND DETOURS ARE TO BE REMOVED UPON COMPLETION OF PROJECT.
- CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES ON MOANALUA ROAD EXCEPT AS SHOWN ON PLANS.
- CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES FROM MOANALUA ROAD OR MOANALUA FREEWAY TO INTERSTATE ROUTE H-1.
- ALL UTILITIES, GUARD RAIL, LIGHTING, SIGNING, HYDRO-MULCHING AND OTHER RELATED WORK WITHIN EACH INDIVIDUAL CONSTRUCTION PHASE SHALL BE PERFORMED COMPLETELY 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 GUARD RAILS OR SIGNS) ON ROADWAYS OPEN TO PUBLIC TRAFFIC.
- SCAFFOLDING AND REMOVAL OF PAVEMENT SECTIONS AND RESTORING GROUND, GUARD RAILS AND OTHER ITEMS TO ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION.
- 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 MPR MANUAL "STANDARD HIGHWAY SIGNS," DATED SEPTEMBER 1961, UNLESS OTHERWISE SPECIFIED.
- ALL RELOCATIONS OF TEMPORARY WARNING, REGULATORY, CONSTRUCTION AND MAINTENANCE SIGNS, POSTS, BARRICADES AND TRAFFIC DRUMS DURING CONSTRUCTION ARE TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- CONTRACTOR MAY SUBSTITUTE PORTABLE OR TEMPORARY MOUNTINGS FOR POST MOUNTINGS FOR CONSTRUCTION AND MAINTENANCE SIGNS WITH THE APPROVAL OF THE ENGINEER.
- LOCATION OF INTERSTATE SYSTEM CONSTRUCTION IDENTIFICATION SIGNS AND PROJECT INFORMATION SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL PAINTED PAVEMENT MARKINGS SHOWN ON SHEETS 2C THRU 12C ARE TO BE DONE BY STATE FORCES.
- CONTRACTOR SHALL MAINTAIN ALL SIGNS IN GOOD CONDITION UNTIL COMPLETION OF PROJECT.
- PAINTED TRAFFIC DRUMS TO BE INCIDENTAL TO CONSTRUCTION. CLASS I BARRICADES OTHER THAN THOSE TO REMAIN AFTER COMPLETION OF ALL CONSTRUCTION TO BE INCIDENTAL TO CONSTRUCTION.
- PAINTED TRAFFIC DRUMS MAY BE MADE AVAILABLE FROM PREVIOUS PROJECT. RELOCATION OF SUCH DRUMS TO BE INCIDENTAL TO CONSTRUCTION.
- THE LANE WIDTH SHALL BE AT LEAST 15' FOR SINGLE LANE DETOURS AND AT LEAST 11' FOR MULTIPLE LANE DETOURS.

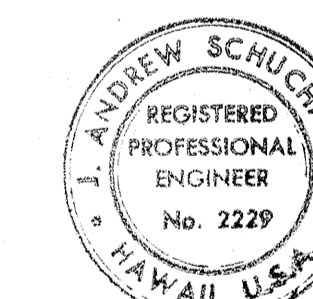
SUMMARY OF TEMPORARY REGULATORY AND WARNING SIGNS-ALL PHASES		QUANTITIES			
TYPE	MESSAGE	NEW TEMPORARY SIGN		EXISTING SIGNS*	
		W/POST	W/O POST	W/POST	W/O POST
R1-2	YIELD	1			
R2-1(35)	SPEED LIMIT 35	1		4	
R2-1(40)E	SPEED LIMIT 40			1	
R2-5	SPEED ZONE AHEAD			4	
R3-7(R)	RIGHT LANE MUST TURN RIGHT			1	
R3-8(R)	(Curved Arrows)			1	
W1-4(L)	(Curved Arrow)	1			
W1-4(R)	(Curved Arrow)	1			
W4-1	MERGING TRAFFIC	1			
W13-1(25)	25 M. P. H.		4		
W13-1(35)	35 M. P. H.			4	
W13-3(25)	EXIT 25 M.P.H.				1
R4-7(R)	KEEP RIGHT	1			
R2-1(25)	SPEED LIMIT 25	1			
TOTALS		7	4	15	1

SUMMARY OF TEMPORARY CONSTRUCTION SIGNS		QUANTITIES	
TYPE	MESSAGE	NEW SIGNS	EXISTING SIGNS*
		(ALL W/POST)	(ALL W/O POST)
G20-2	END CONSTRUCTION		2
W20-1a	ROAD CONSTRUCTION 1500 FT.		2
W20-1b	ROAD CONSTRUCTION 1000 FT.	1	2
W20-1c	ROAD CONSTRUCTION 500 FT.		1
W20-1d	ROAD CONSTRUCTION AHEAD	1	1
W20-2a	DETOUR 1500 FT.	1	
W20-2b	DETOUR 1000 FT.	2	
W20-2d	DETOUR AHEAD	4	
TOTALS		9	8

* Existing Signs from Previous Contracts to be Relocated or Uncovered - See Plans.

SUMMARY OF MISCELLANEOUS ITEMS (ALL PHASES)	
ITEMS (TO REMAIN UPON COMPLETION OF CONSTRUCTION)	QUANTITY
CLASS I Barricades (10' Long)	14 EA.
Relocated Painted Traffic Drums (See Note 16)	73 EA.

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



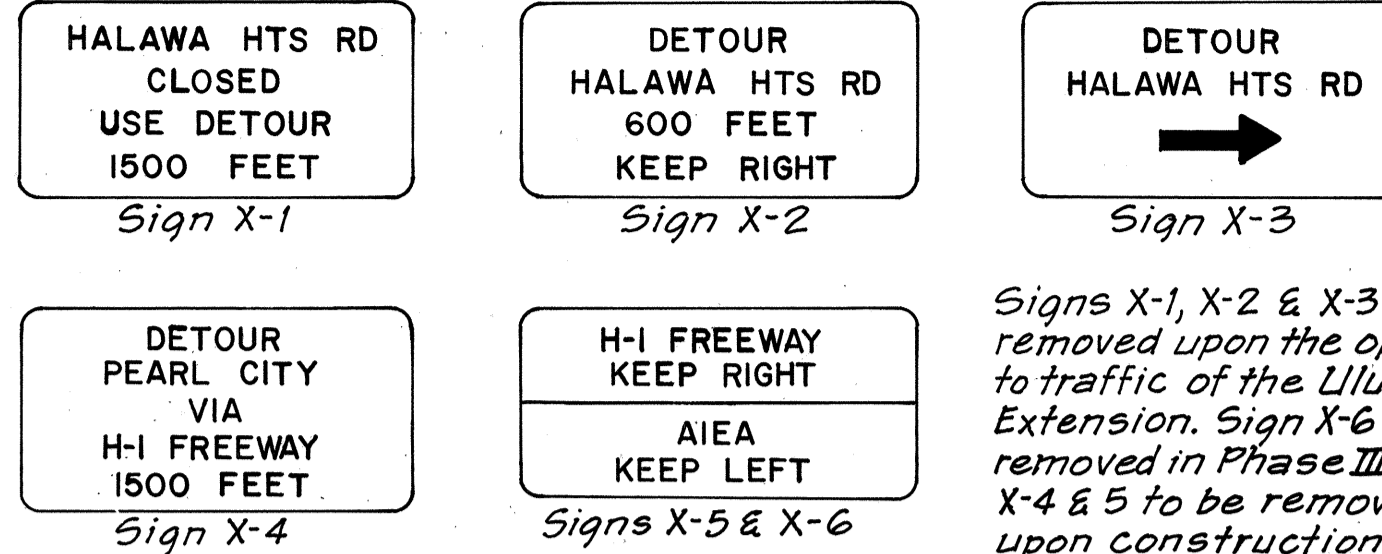
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
J. Andrew Schuchardt

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 GENERAL NOTES
 TEMPORARY CONSTRUCTION
 INTERSTATE ROUTE H-1
 PROJECT NO. I-HI-1(89)13
 SCALE: NONE DATE: Oct. 30, 1970
 SHEET No. 10 OF 17 SHEETS

§ 1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89):13	1971	82	362

EXISTING TEMPORARY DIRECTIONAL SIGNS



Signs X-1, X-2 & X-3 to be removed upon the opening to traffic of the Ullune Extension. Sign X-6 to be removed in Phase III. Signs X-4 & 5 to be removed upon construction of permanent overhead signs on Outbound Moanalua Freeway.

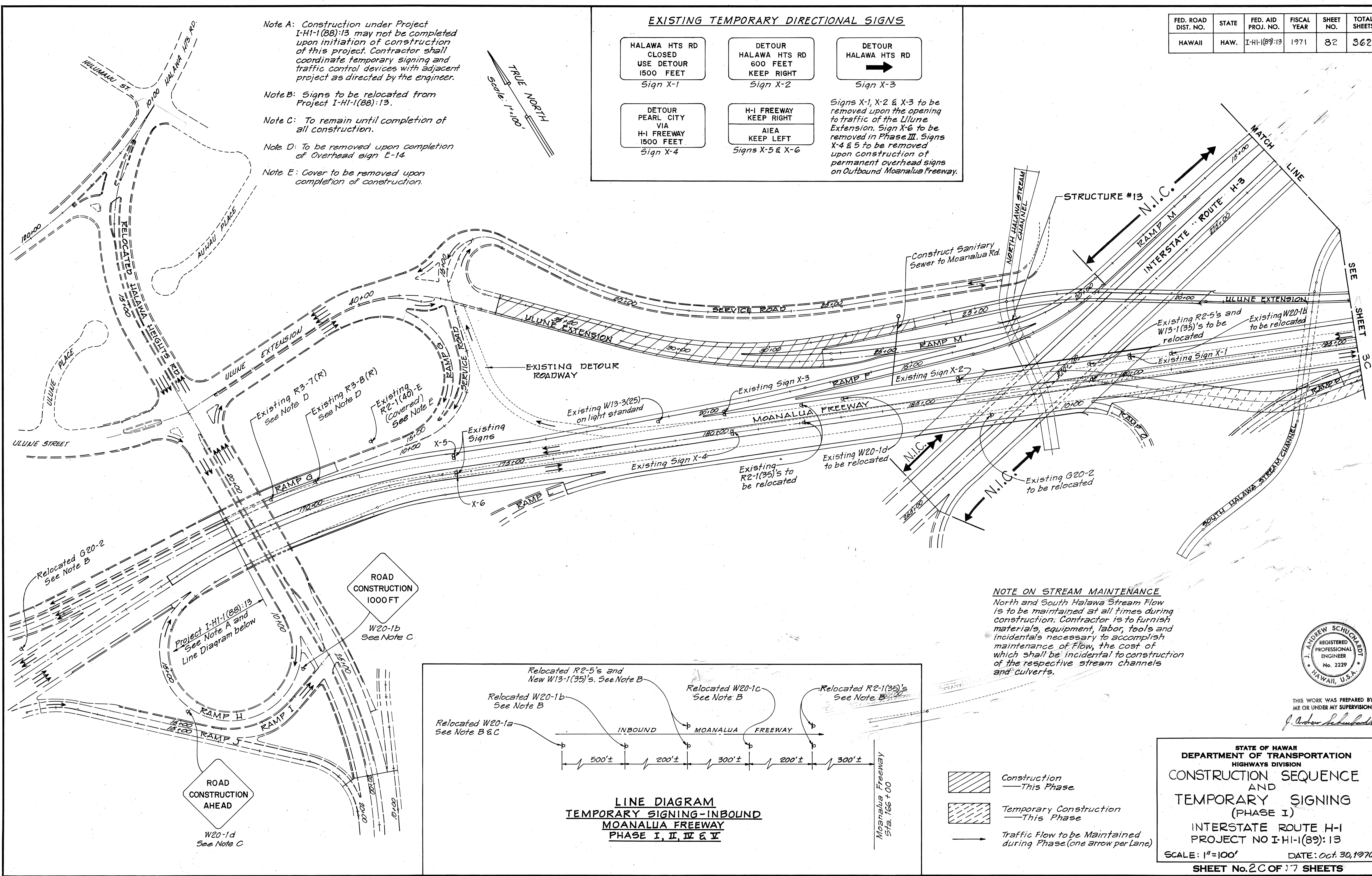
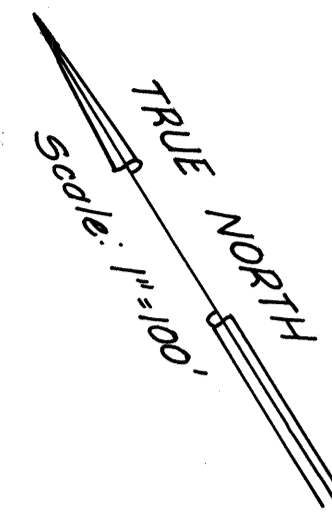
Note A: Construction under Project I-HI-1(88):13 may not be completed upon initiation of construction of this project. Contractor shall coordinate temporary signing and traffic control devices with adjacent project as directed by the engineer.

Note B: Signs to be relocated from Project I-HI-1(88):13.

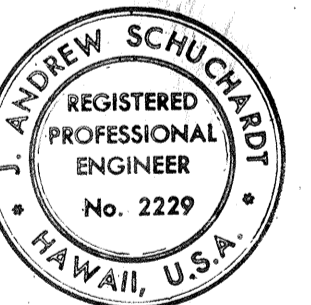
Note C: To remain until completion of all construction.

Note D: To be removed upon completion of Overhead sign E-14

Note E: Cover to be removed upon completion of construction.

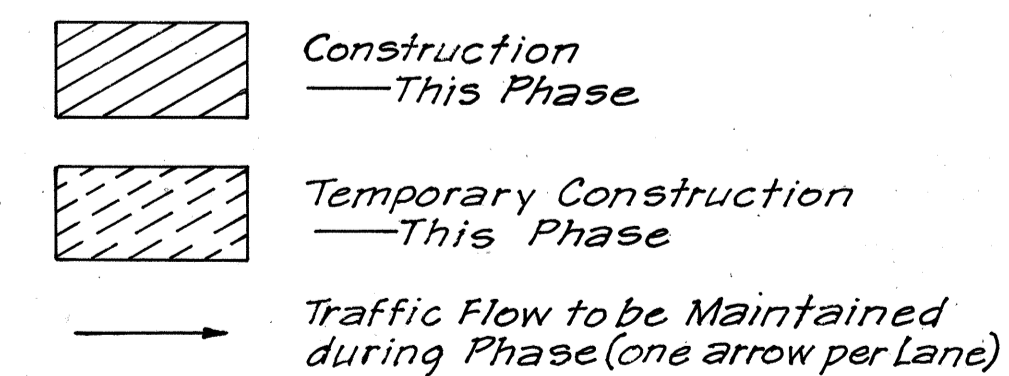
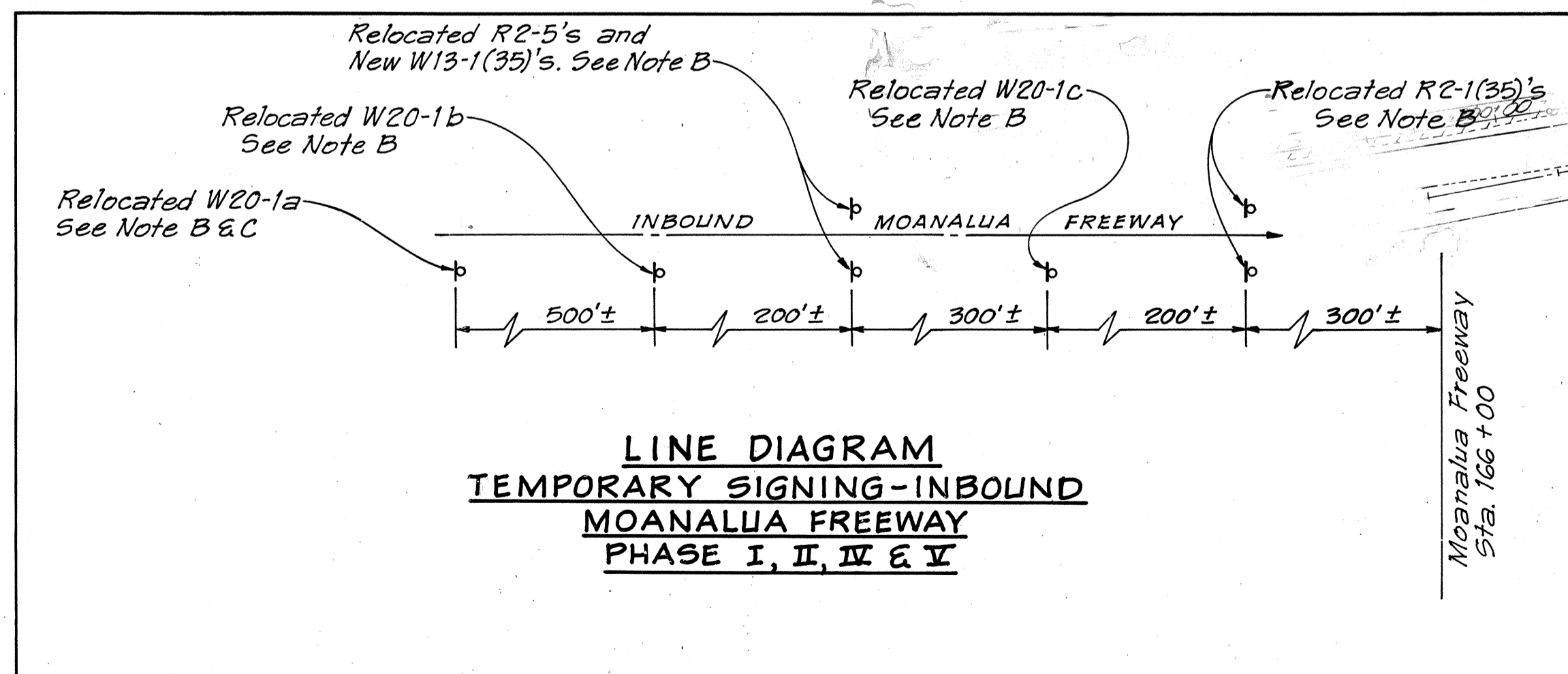


NOTE ON STREAM MAINTENANCE
North and South Halawa Stream Flow is to be maintained at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be incidental to construction of the respective stream channels and culverts.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION SEQUENCE AND TEMPORARY SIGNING (PHASE I)
INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89):13
SCALE: 1"=100' DATE: Oct. 30, 1970
SHEET No. 2 OF 17 SHEETS

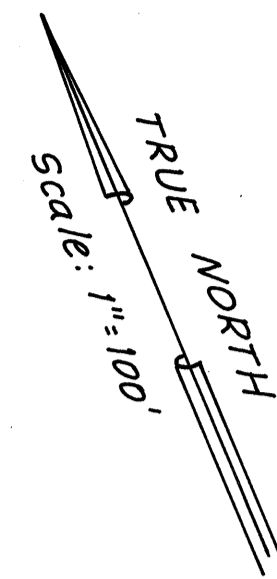
DATE	.....
REVISIONS	.....
NO.	.....
DATE	.....
REVISIONS	.....
NO.	.....
DATE	.....
REVISIONS	.....
NO.	.....

ROAD CONSTRUCTION AHEAD
W20-1d See Note C

ROAD CONSTRUCTION 1000 FT
W20-1b See Note C

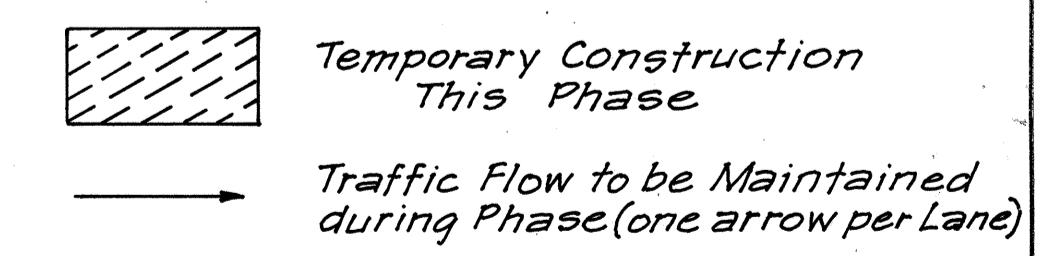
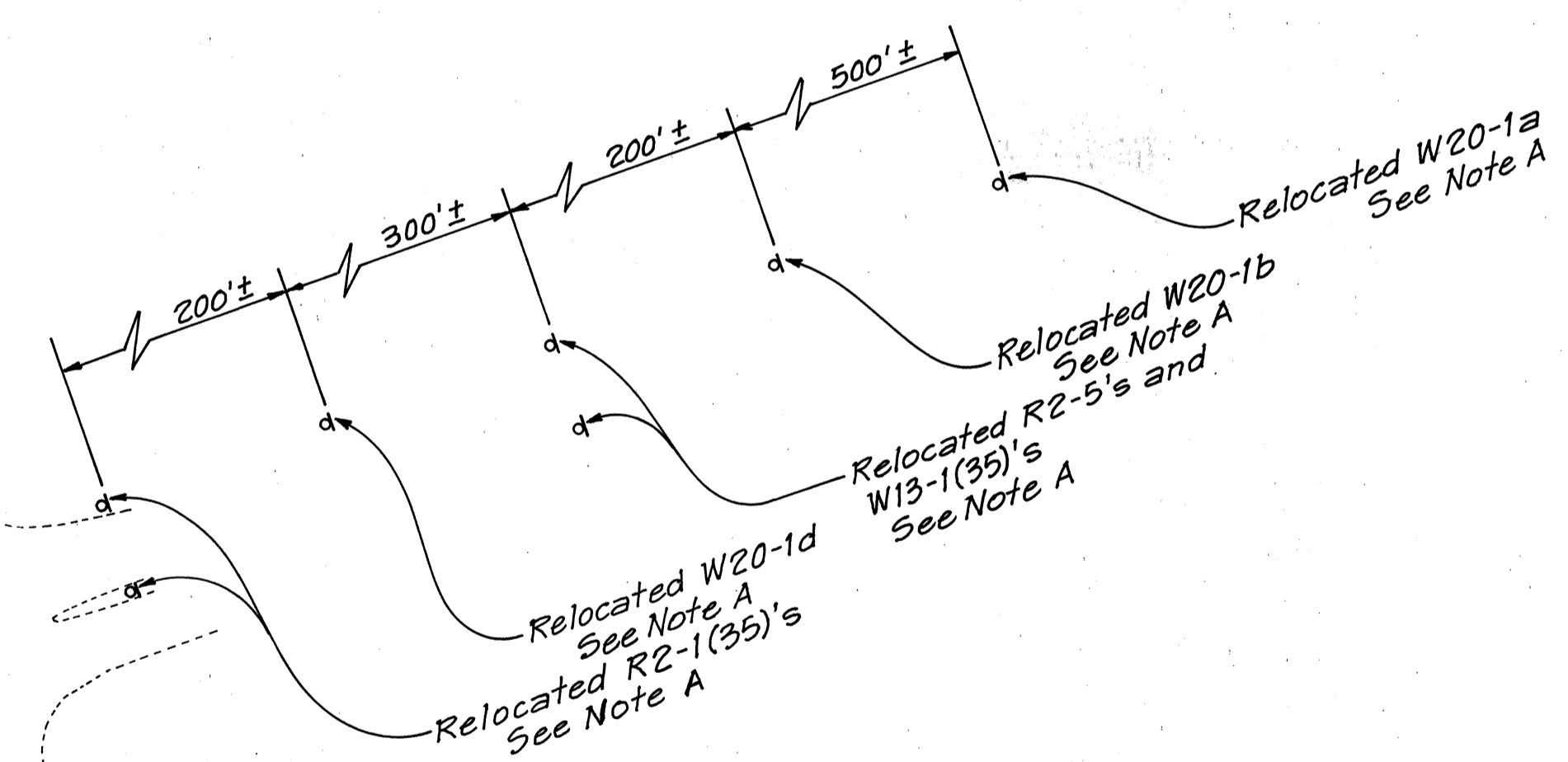
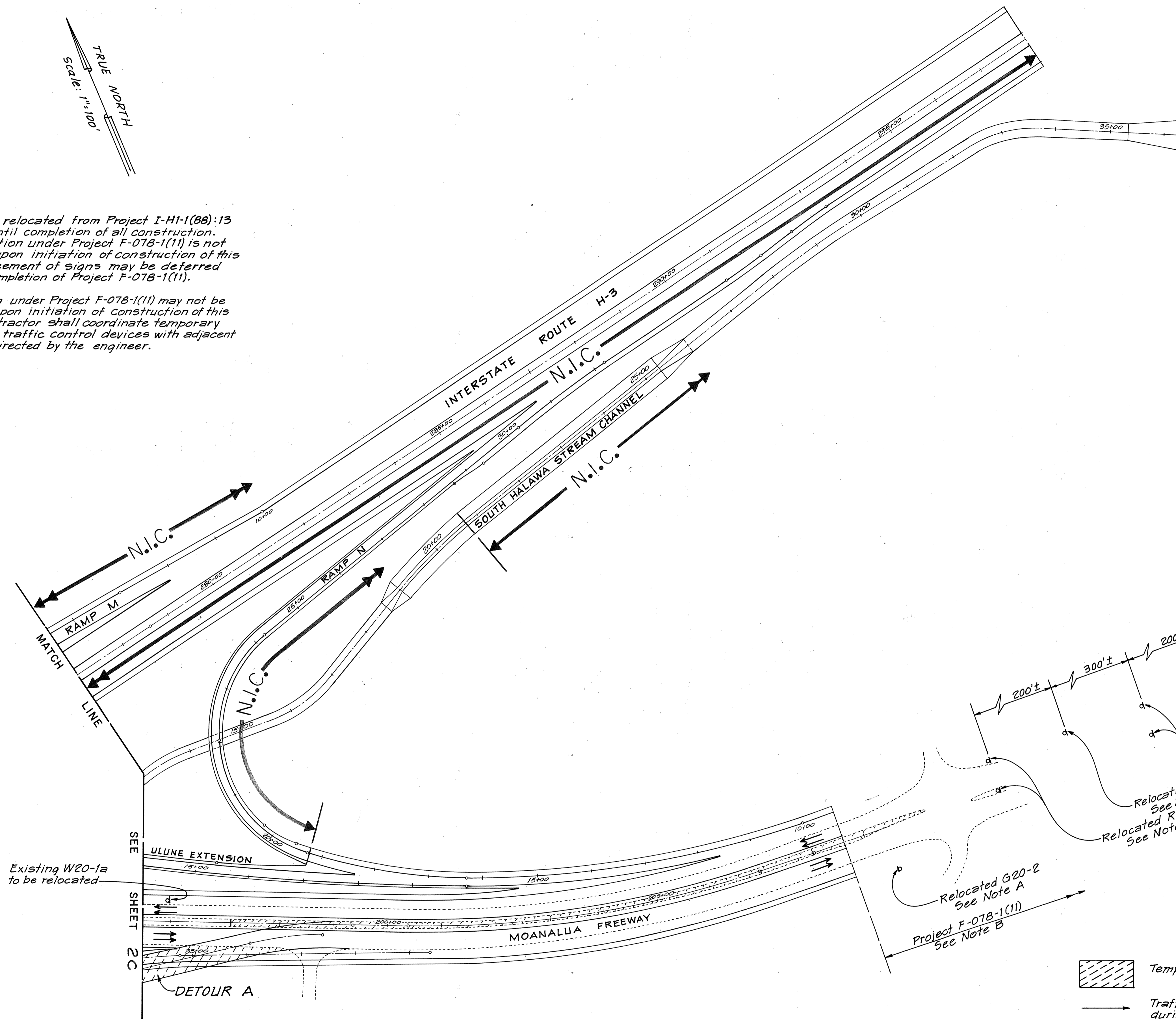
Project I-HI-1(88):13
See Note A and Line Diagram below

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89):13	1971	83	362



Note A: Signs to be relocated from Project I-HI-1(88):13 to remain until completion of all construction. If construction under Project F-078-1(11) is not completed upon initiation of construction of this project, placement of signs may be deferred until the completion of Project F-078-1(11).

Note B: Construction under Project F-078-1(11) may not be completed upon initiation of construction of this project. Contractor shall coordinate temporary signing and traffic control devices with adjacent project as directed by the engineer.



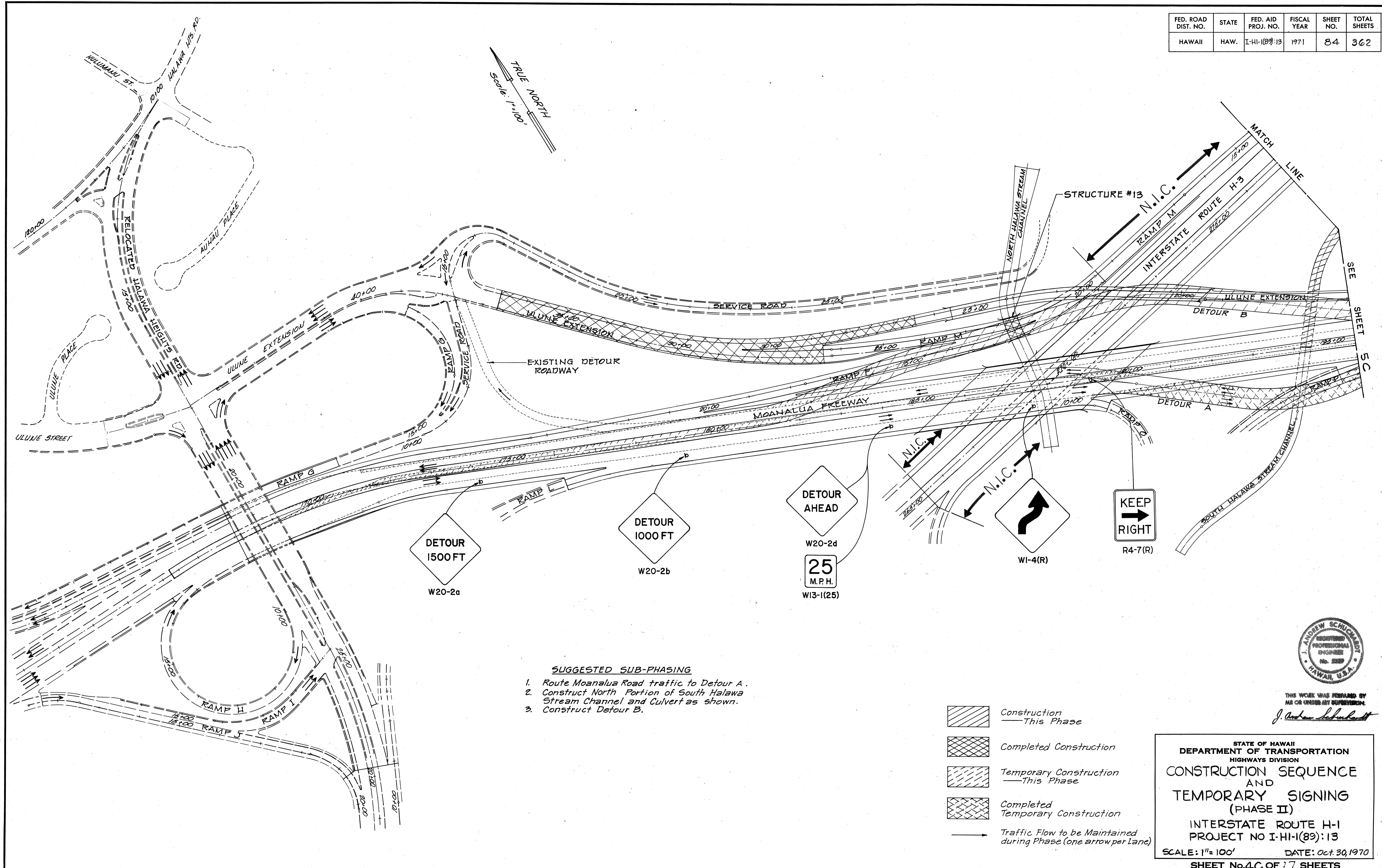
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION SEQUENCE AND TEMPORARY SIGNING (PHASE I)
INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89):13
SCALE: 1"=100' DATE: Oct. 30, 1970
SHEET No. 3C OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89)-13	1971	84	362



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

- SUGGESTED SUB-PHASING**
1. Route Moanalua Road traffic to Detour A.
 2. Construct North Portion of South Halawa Stream Channel and Culvert as shown.
 3. Construct Detour B.

- Construction — This Phase
- Completed Construction
- Temporary Construction — This Phase
- Completed Temporary Construction
- Traffic Flow to be Maintained during Phase (one arrow per Lane)

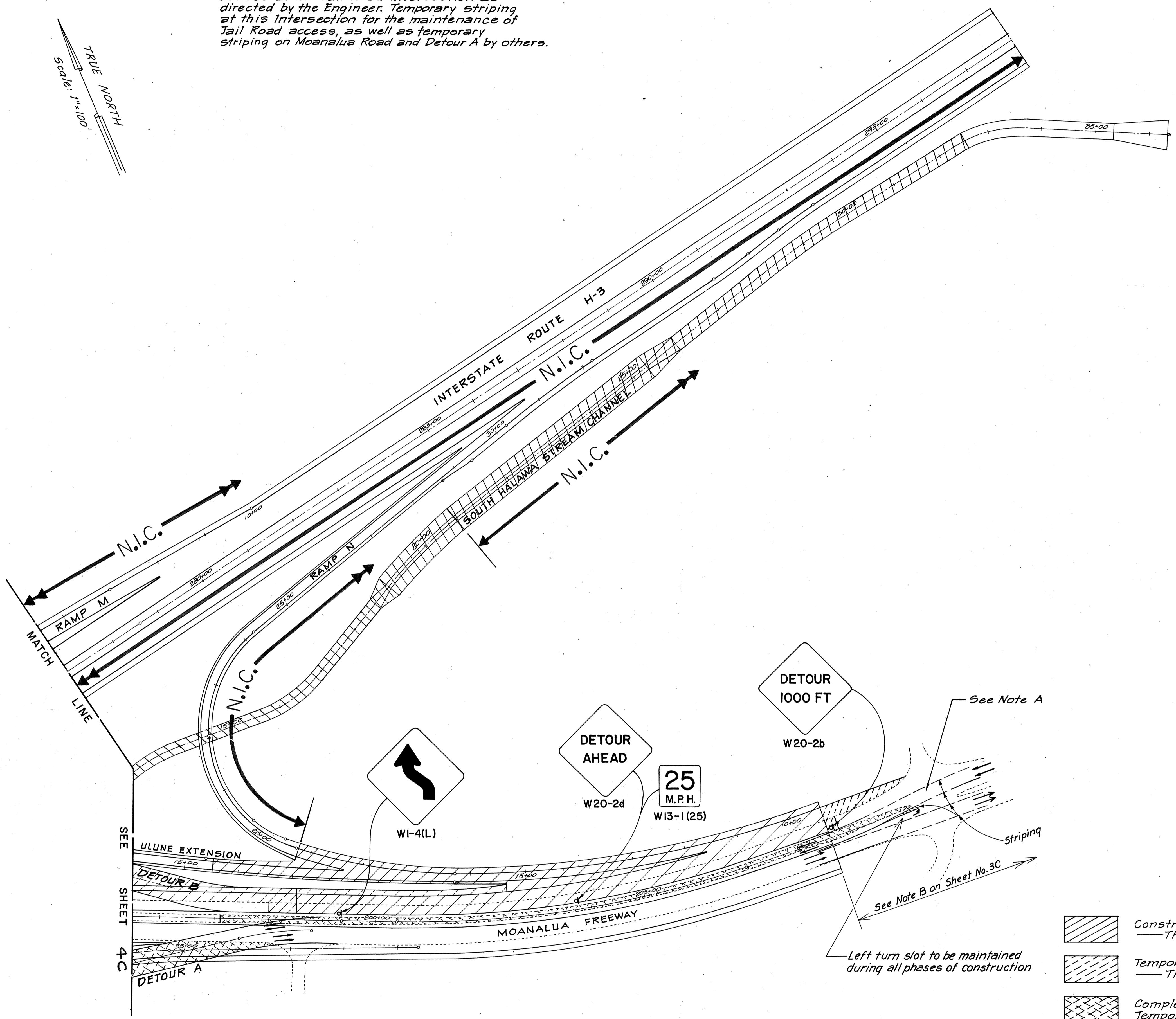
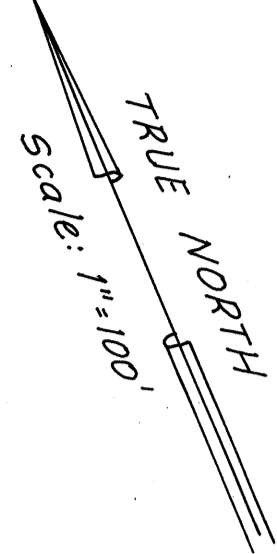
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
**CONSTRUCTION SEQUENCE
 AND
 TEMPORARY SIGNING
 (PHASE II)**
 INTERSTATE ROUTE H-1
 PROJECT NO I-HI-(89):13
 SCALE: 1"=100' DATE: Oct. 30, 1970
 SHEET No. 4.C OF 17 SHEETS



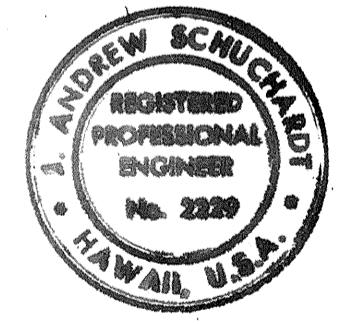
THIS WORK WAS PERFORMED BY
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J. Andrew Schumacher

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89):13	1971	85	362

Note A: Relocate existing signs and traffic control devices at the Jail Road Intersection as directed by the Engineer. Temporary striping at this Intersection for the maintenance of Jail Road access, as well as temporary striping on Moanalua Road and Detour A by others.



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



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J. Andrew Schuchman

- Construction — This Phase
- Temporary Construction — This Phase
- Completed Temporary Construction
- Traffic Flow to be Maintained during Phase (one arrow per lane)

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
**CONSTRUCTION SEQUENCE
 AND
 TEMPORARY SIGNING
 (PHASE II)**
 INTERSTATE ROUTE H-1
 PROJECT NO I-HI-1(89):13
 SCALE: 1"=100' DATE: Oct. 30, 1970
 SHEET No. 5C OF 17 SHEETS

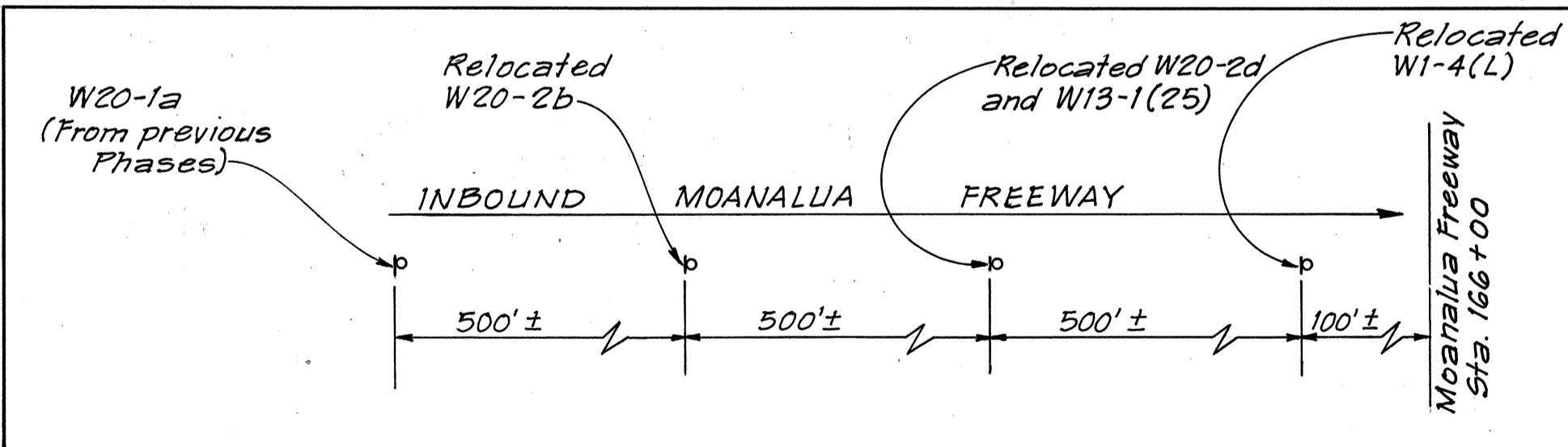
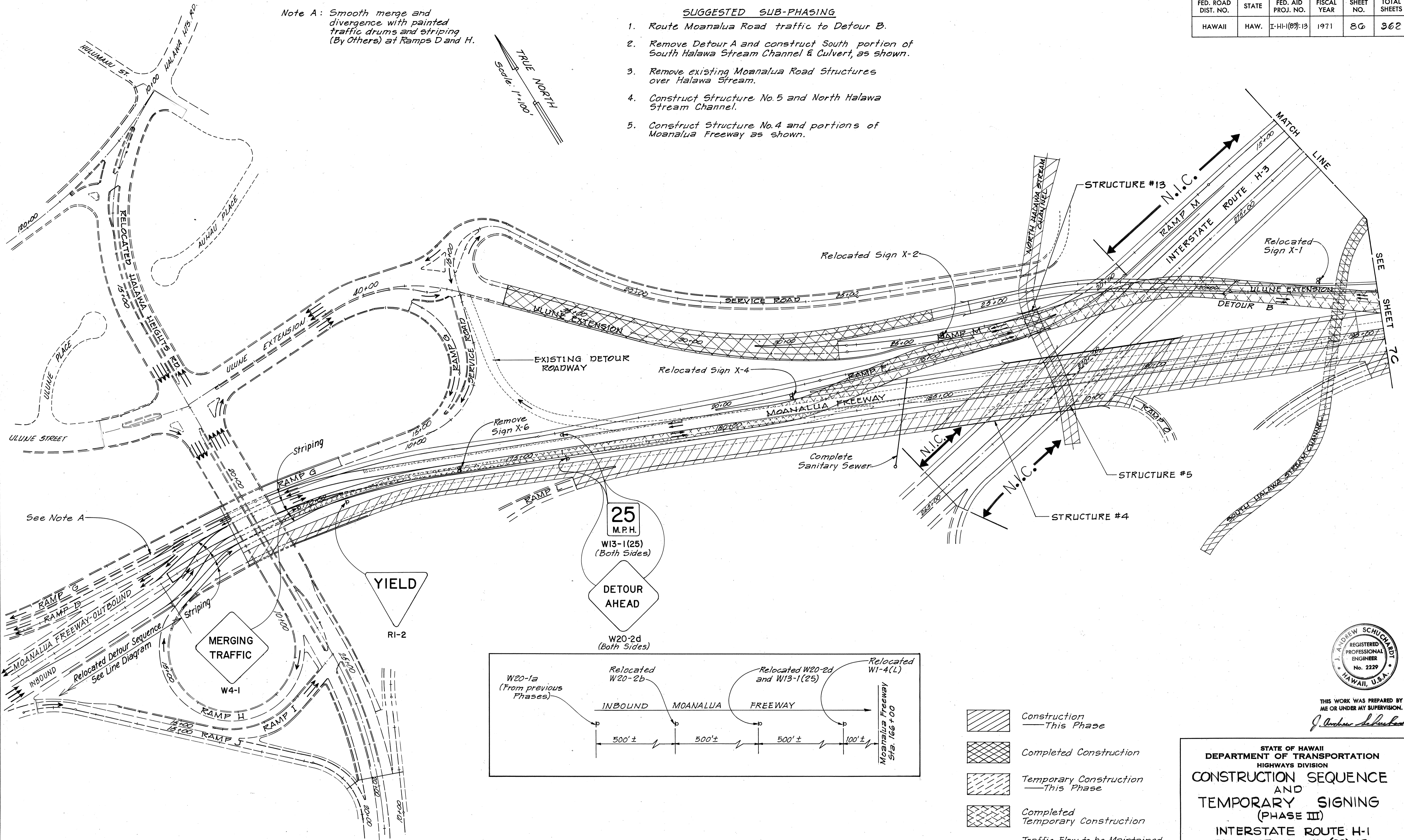
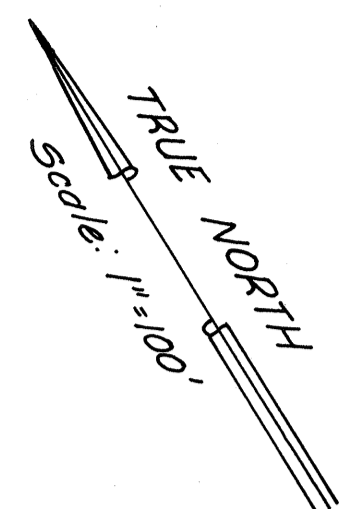
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89):13	1971	86	362

Note A: Smooth merge and divergence with painted traffic drums and striping (By Others) at Ramps D and H.

SUGGESTED SUB-PHASING

1. Route Moanalua Road traffic to Detour B.
2. Remove Detour A and construct South portion of South Halawa Stream Channel & Culvert, as shown.
3. Remove existing Moanalua Road Structures over Halawa Stream.
4. Construct Structure No. 5 and North Halawa Stream Channel.
5. Construct Structure No. 4 and portions of Moanalua Freeway as shown.



- Construction — This Phase
- Completed Construction
- Temporary Construction — This Phase
- Completed Temporary Construction
- Traffic Flow to be Maintained during Phase (one arrow per Lane)

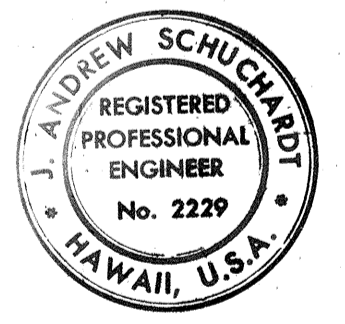
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION SEQUENCE
AND
TEMPORARY SIGNING
(PHASE III)**

INTERSTATE ROUTE H-1
PROJECT NO I-HI-(89):13

SCALE: 1"=100' DATE: Oct. 30, 1970

SHEET No. 6 C OF 17 SHEETS



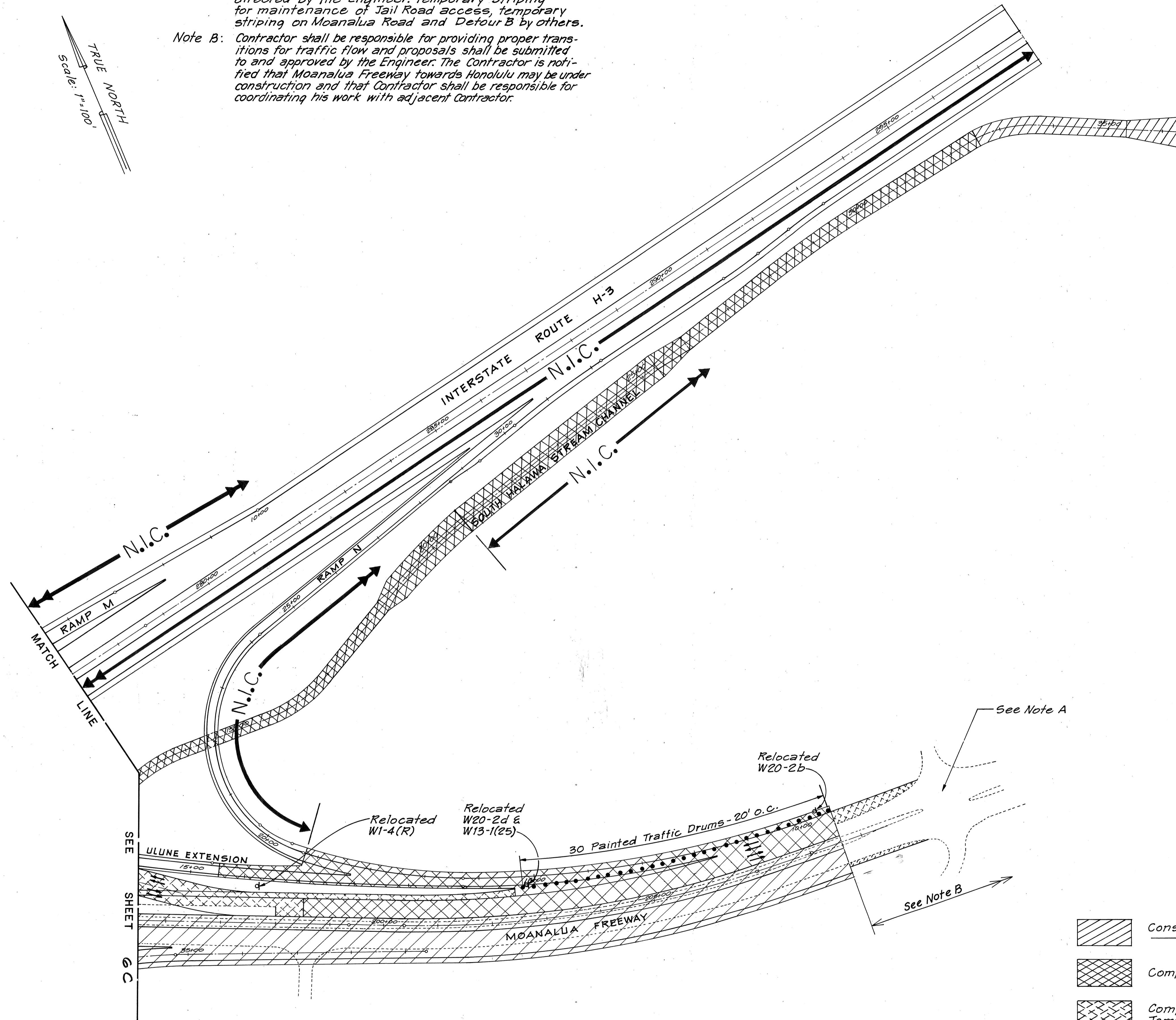
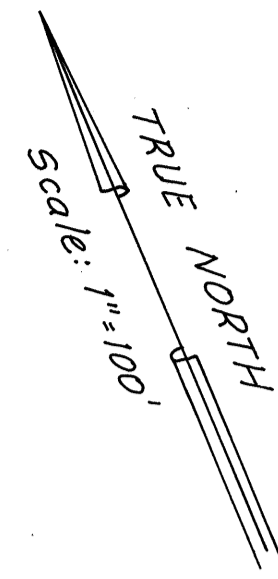
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
J. Andrew Schuchardt

SURVEY PLANNED BY	DATE
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
REVISIONS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89):13	1971	87	362

Note A: Relocate existing signs and traffic control devices at the Jail Road Intersection as directed by the Engineer. Temporary striping for maintenance of Jail Road access, temporary striping on Moanalua Road and Detour B by others.

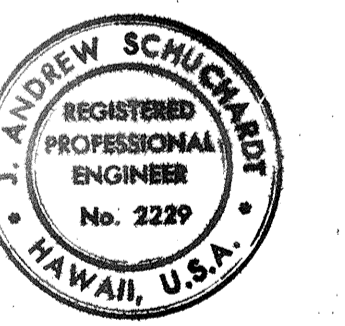
Note B: Contractor shall be responsible for providing proper transitions for traffic flow and proposals shall be submitted to and approved by the Engineer. The Contractor is notified that Moanalua Freeway towards Honolulu may be under construction and that Contractor shall be responsible for coordinating his work with adjacent Contractor.



See Note A

See Note B

- Construction — This Phase
- Completed Construction
- Completed Temporary Construction
- Traffic Flow to be Maintained during Phase (one arrow per Lane)



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION SEQUENCE
AND
TEMPORARY SIGNING
(PHASE III)**

INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89):13

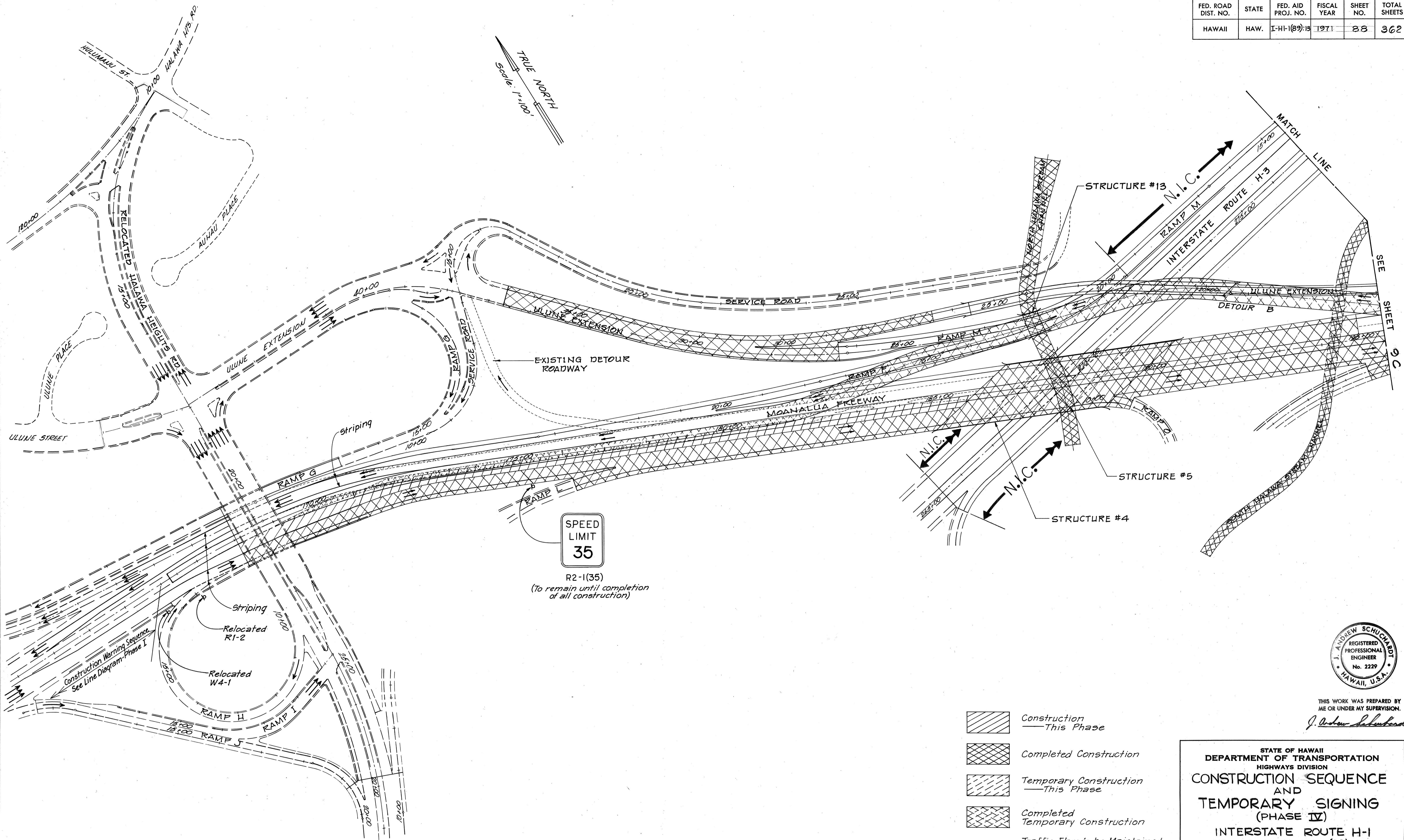
SCALE: 1"=100' DATE: Oct. 30, 1970

SHEET No. 7 C OF 17 SHEETS

DATE	.....
SURVEY PLOTTED BY	.....
ORIGINAL PLAN	.....
DESIGNED BY	.....
CHECKED BY	.....
NO.	.....

87

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89):13	1971	88	362


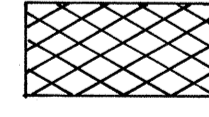
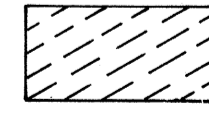
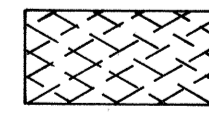
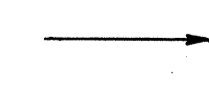


SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



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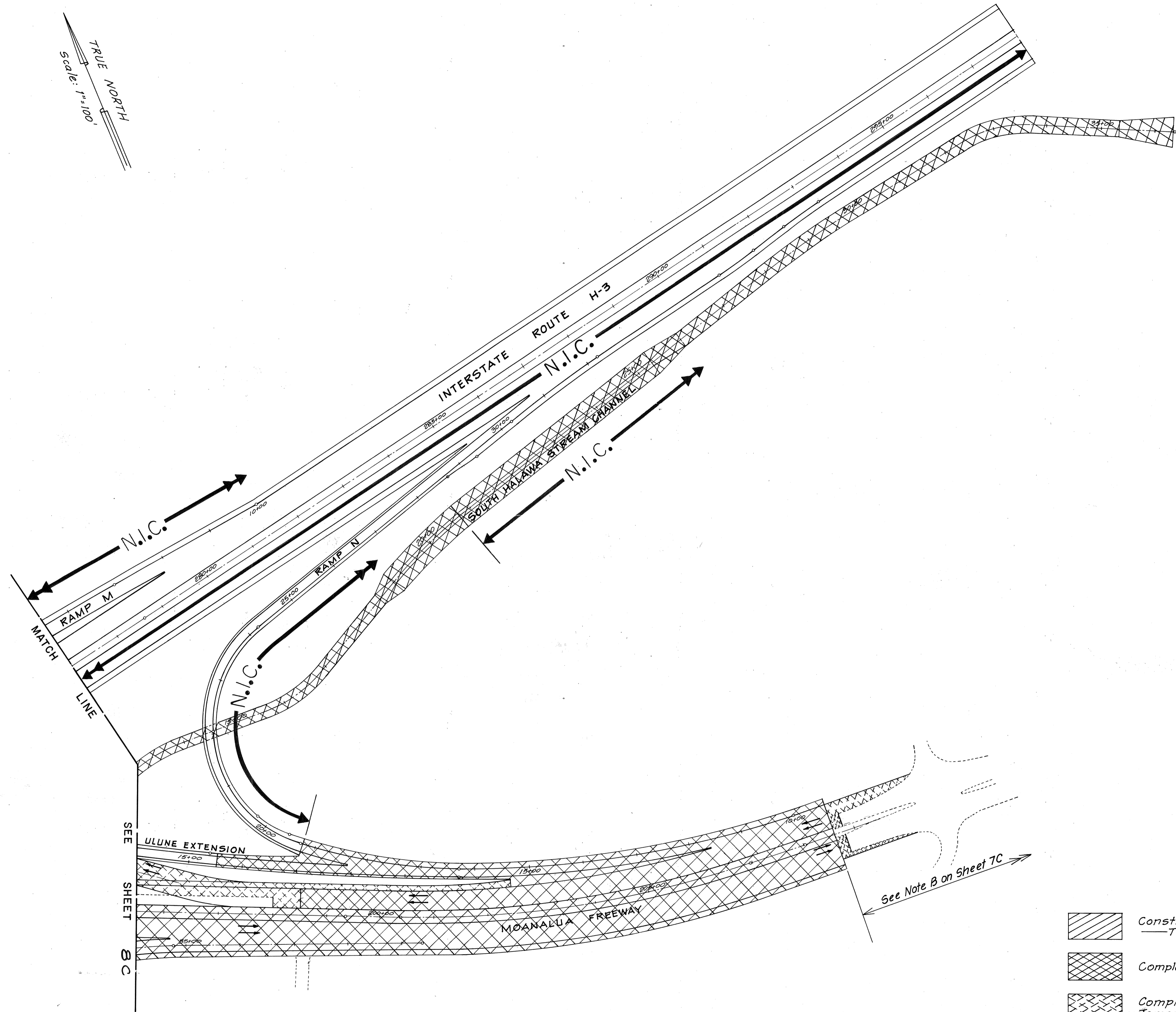
-  Construction — This Phase
-  Completed Construction
-  Temporary Construction — This Phase
-  Completed Temporary Construction
-  Traffic Flow to be Maintained during Phase (one arrow per Lane)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**CONSTRUCTION SEQUENCE
AND
TEMPORARY SIGNING
(PHASE IV)**
INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89):13
SCALE: 1"=100' DATE: Oct. 30, 1970
SHEET No. 8C OF 17 SHEETS

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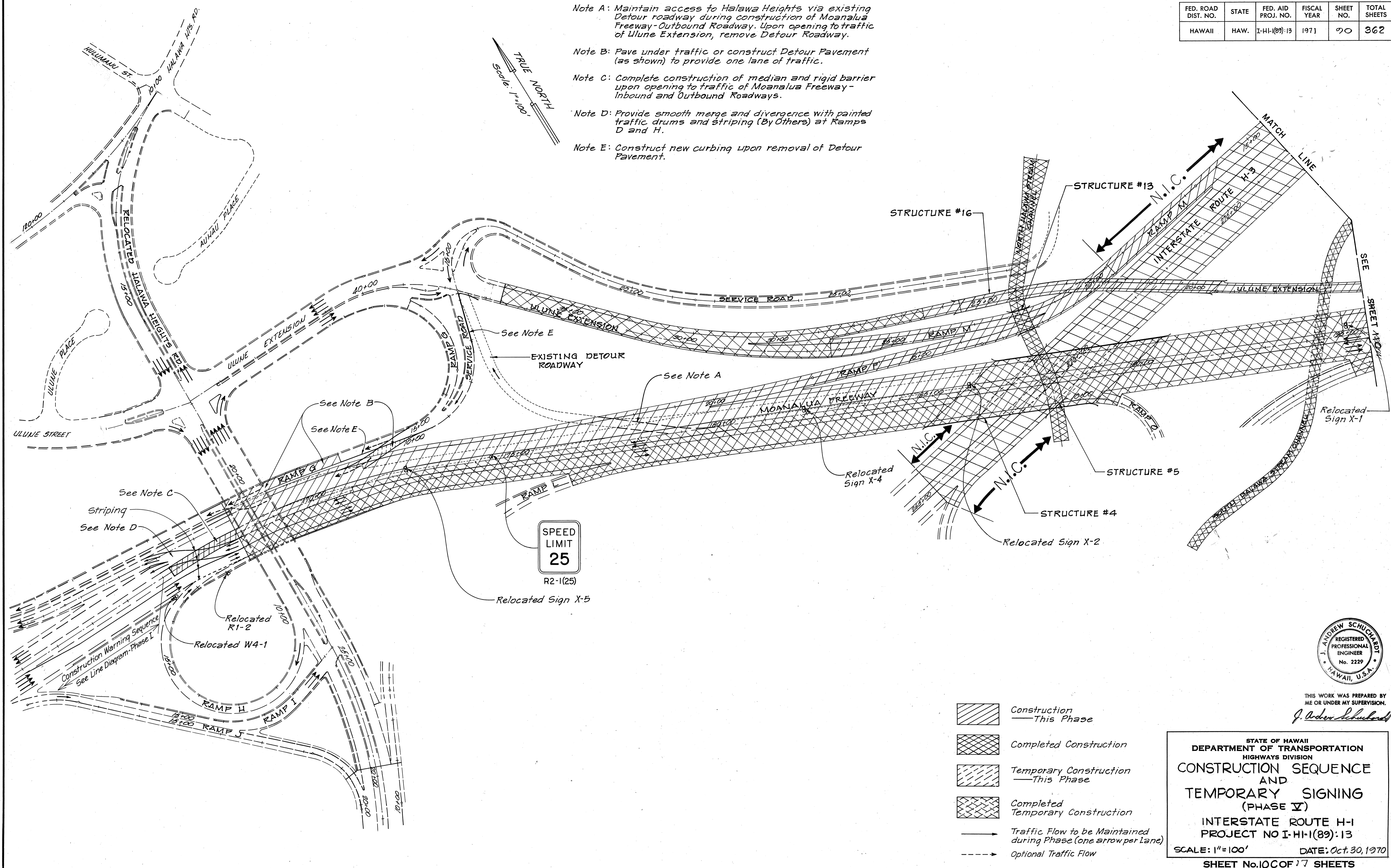
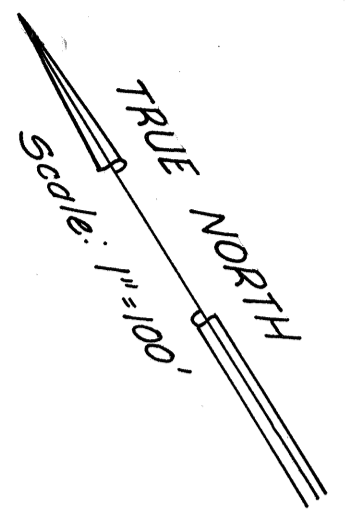
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89):13	1971	89	362

TRUE NORTH
Scale: 1"=100'



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(89)-13	1971	70	362

- Note A: Maintain access to Halawa Heights via existing Detour roadway during construction of Moanalua Freeway-Outbound Roadway. Upon opening to traffic of Ulune Extension, remove Detour Roadway.
- Note B: Pave under traffic or construct Detour Pavement (as shown) to provide one lane of traffic.
- Note C: Complete construction of median and rigid barrier upon opening to traffic of Moanalua Freeway-Inbound and Outbound Roadways.
- Note D: Provide smooth merge and divergence with painted traffic drums and striping (By Others) at Ramps D and H.
- Note E: Construct new curbing upon removal of Detour Pavement.



DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

- Construction — This Phase
- Completed Construction
- Temporary Construction — This Phase
- Completed Temporary Construction
- Traffic Flow to be Maintained during Phase (one arrow per Lane)
- Optional Traffic Flow

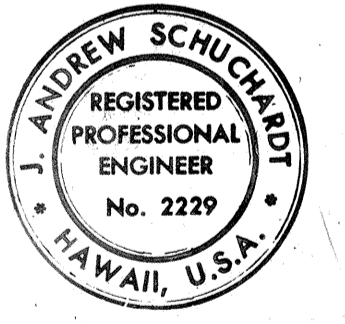
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**CONSTRUCTION SEQUENCE
AND
TEMPORARY SIGNING
(PHASE V)**

INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89):13

SCALE: 1"=100' DATE: Oct. 30, 1970

SHEET No. 10 OF 17 SHEETS

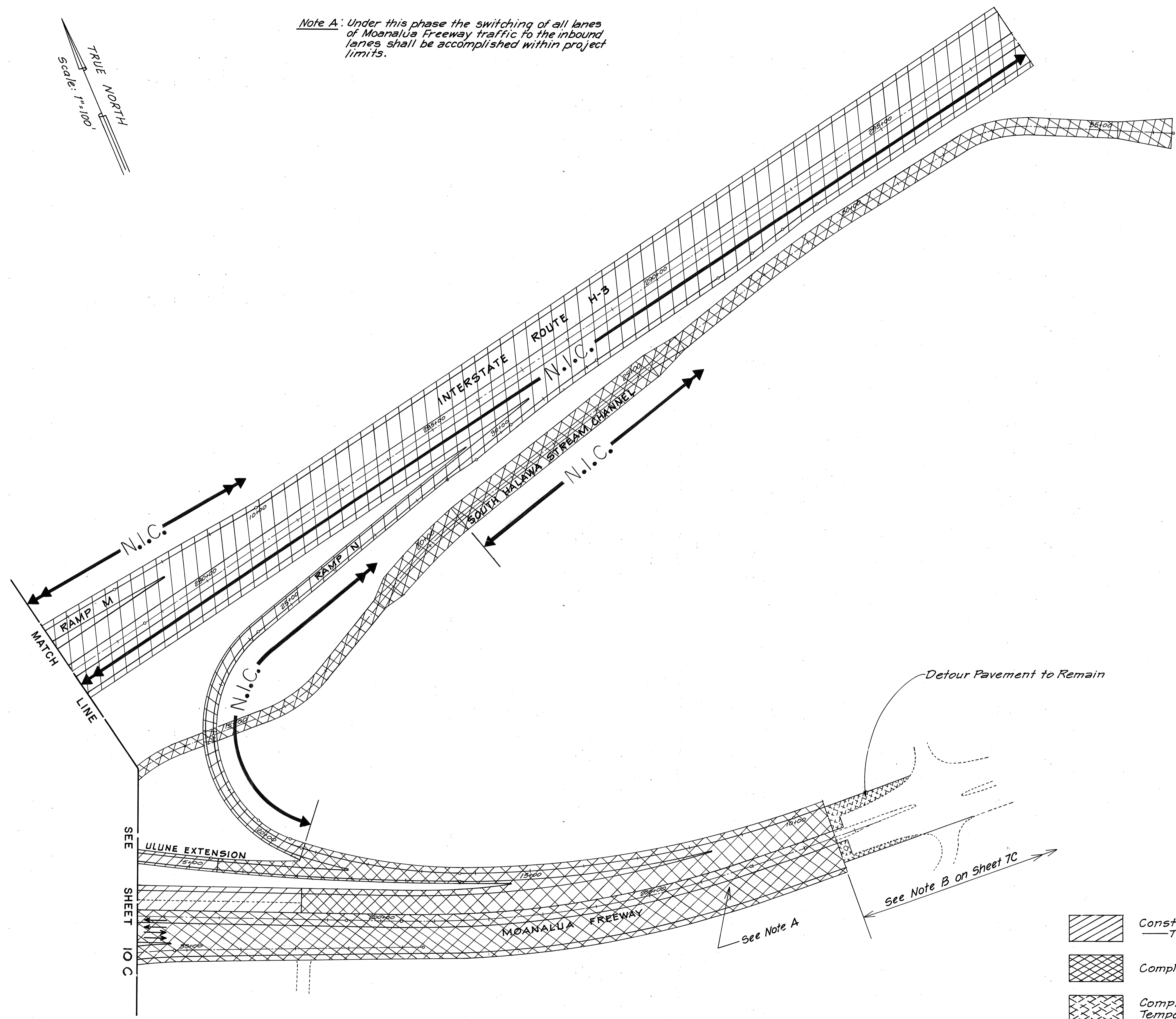


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J. Andrew Schuchardt

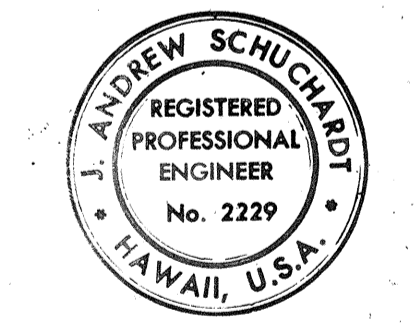
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89):13	1971	71	362

TRUE NORTH
Scale: 1"=100'



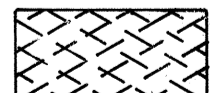
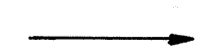
Note A: Under this phase the switching of all lanes of Moanalua Freeway traffic to the inbound lanes shall be accomplished within project limits.



DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DRAWN BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____



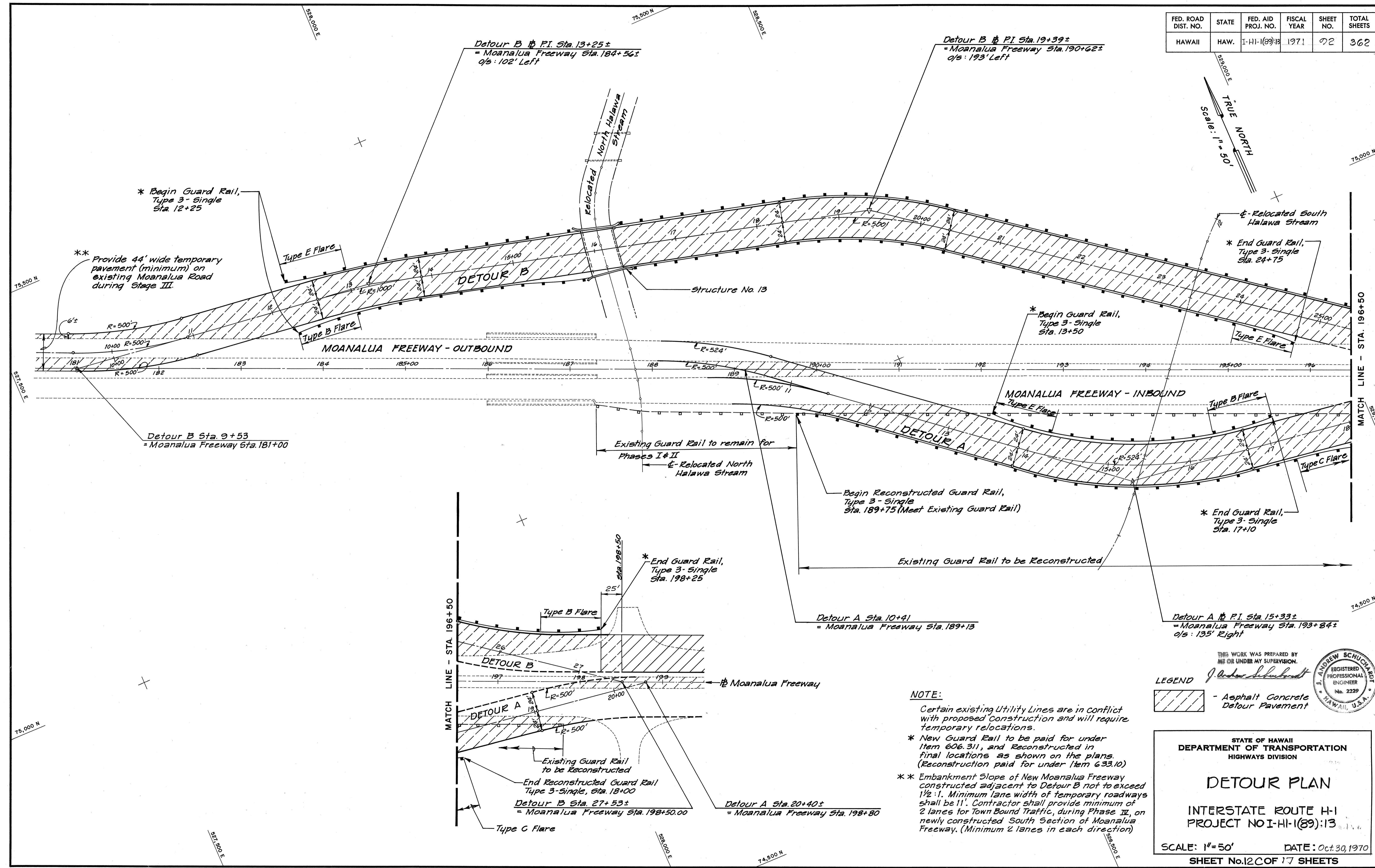
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
J. Andrew Schuchardt

-  Construction — This Phase
-  Completed Construction
-  Completed Temporary Construction
-  Traffic Flow to be Maintained during Phase (one arrow per Lane)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION SEQUENCE AND TEMPORARY SIGNING (PHASE V)
INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89):13
SCALE: 1"=100' DATE: Oct. 30, 1970
SHEET No. 11C OF 17 SHEETS

91

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89)13	1971	72	362



DATE	_____
SURVEY PLATTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

J. Andrew Schuchart

LEGEND

- Asphalt Concrete Detour Pavement

REGISTERED PROFESSIONAL ENGINEER
No. 2229
HAWAII, U.S.A.

NOTE:

Certain existing Utility Lines are in conflict with proposed construction and will require temporary relocations.

* New Guard Rail to be paid for under Item 606.311, and Reconstructed in final locations as shown on the plans. (Reconstruction paid for under Item 633.10)

** Embankment Slope of New Moanalua Freeway constructed adjacent to Detour B not to exceed 1 1/2 : 1. Minimum lane width of temporary roadways shall be 11'. Contractor shall provide minimum of 2 lanes for Town Bound Traffic, during Phase III, on newly constructed South Section of Moanalua Freeway. (Minimum 2 lanes in each direction)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

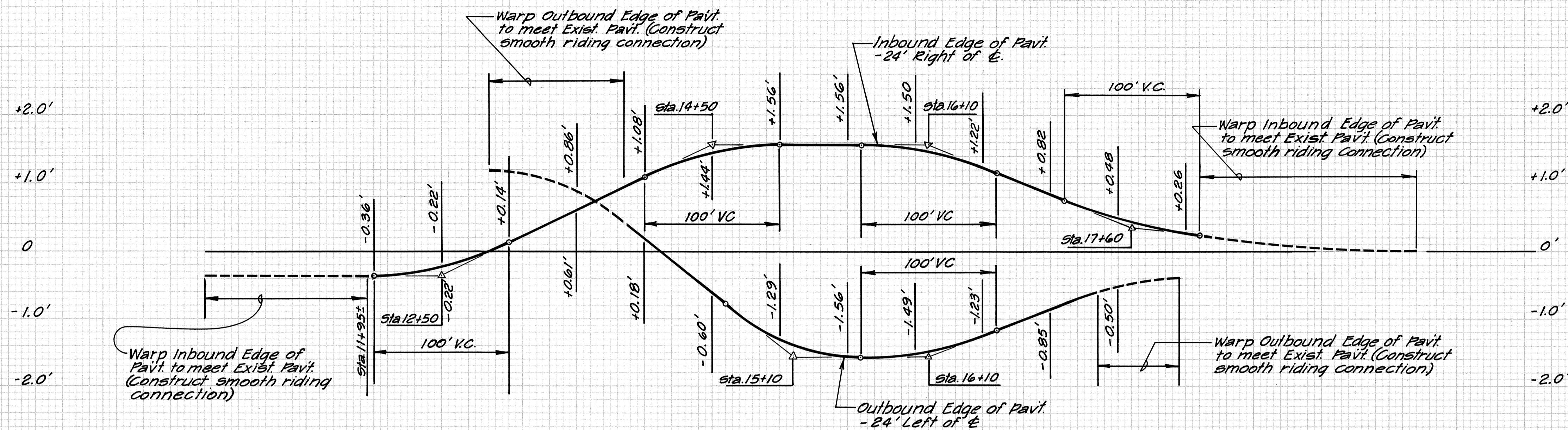
DETOUR PLAN

INTERSTATE ROUTE HI-1
PROJECT NO I-HI-1(89)13

SCALE: 1" = 50' DATE: Oct. 30, 1970

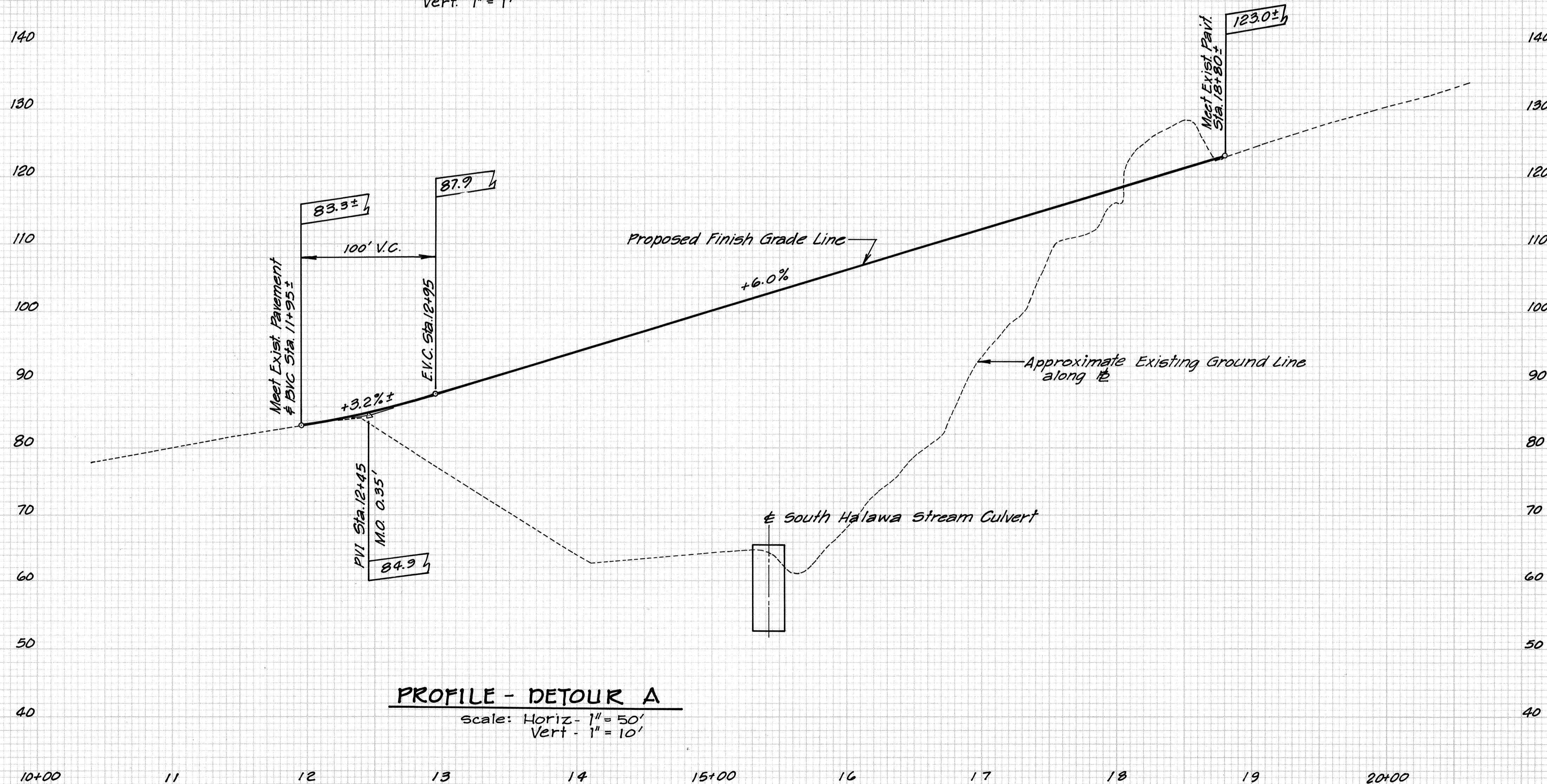
SHEET No. 12 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89)13	1971	93	362



SUPERELEVATION DIAGRAM - DETOUR A

Scale: Horiz. 1" = 50'
Vert. 1" = 1'



PROFILE - DETOUR A

Scale: Horiz. 1" = 50'
Vert. 1" = 10'

FINAL SURVEY NO. DATE BY

ORIGINAL SURVEY NO. DATE BY

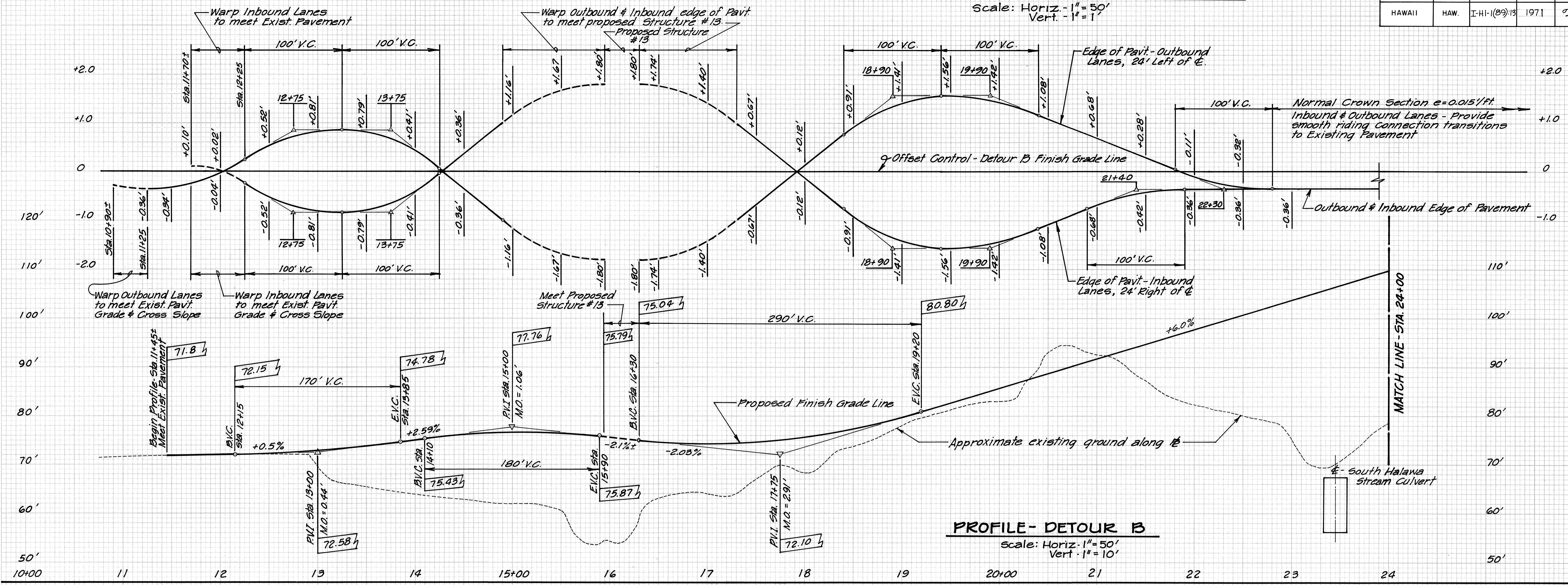


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SUPERELEVATION DIAGRAM - DETOUR B

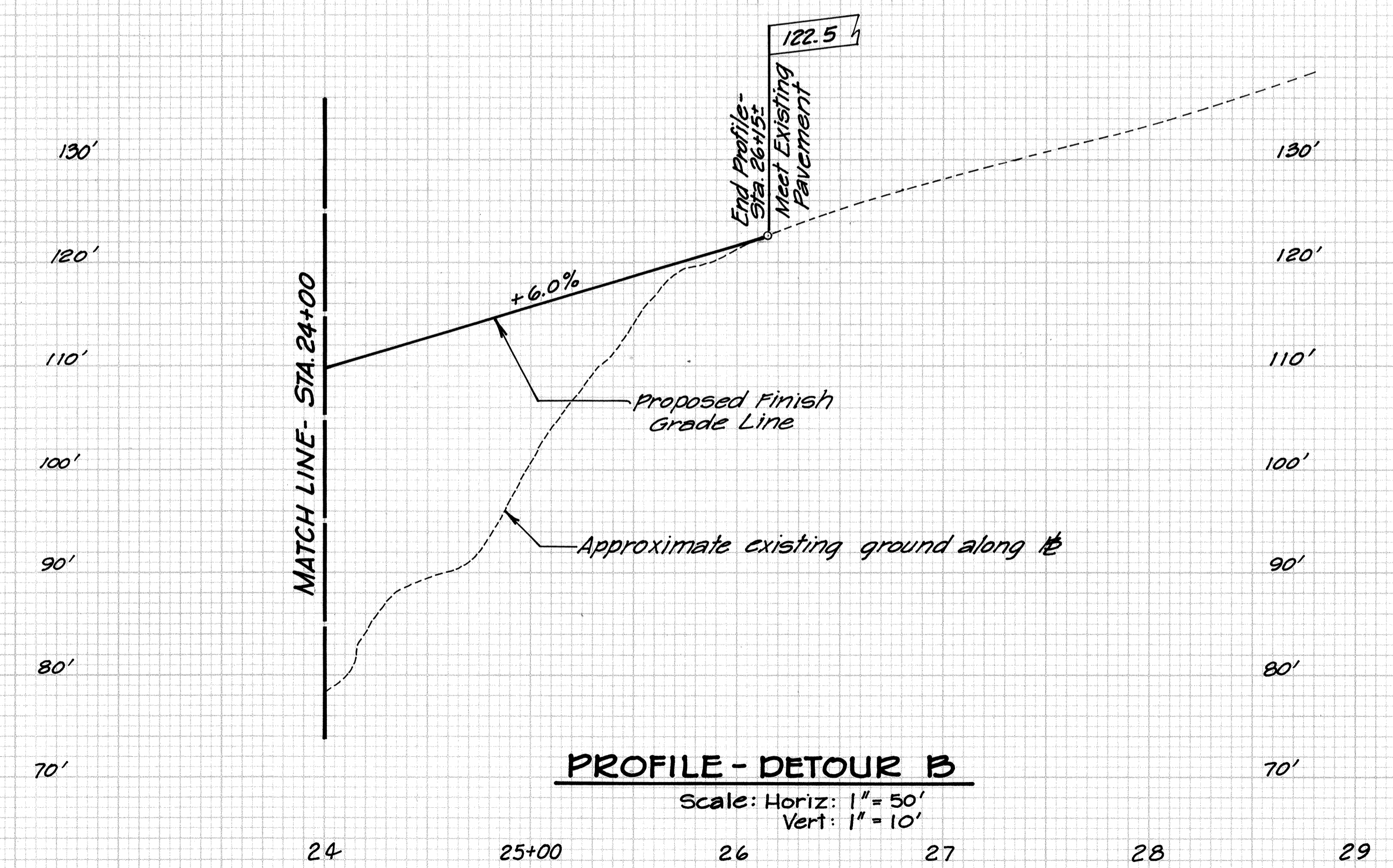
Scale: Horiz. - 1" = 50'
Vert. - 1" = 1'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(29)13	1971	24	362



PROFILE - DETOUR B

Scale: Horiz. - 1" = 50'
Vert. - 1" = 10'

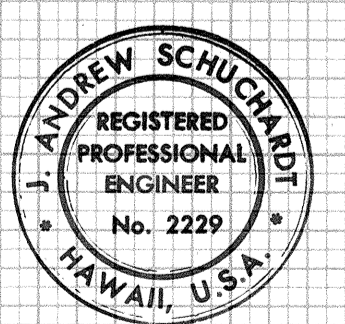


PROFILE - DETOUR B

Scale: Horiz. - 1" = 50'
Vert. - 1" = 10'

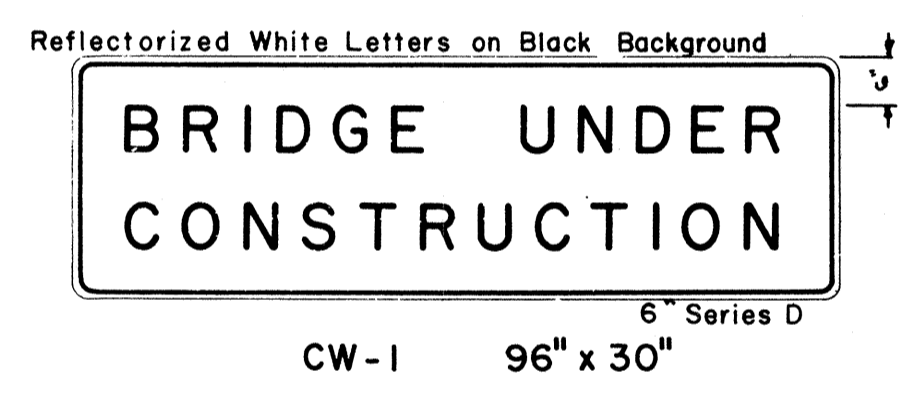
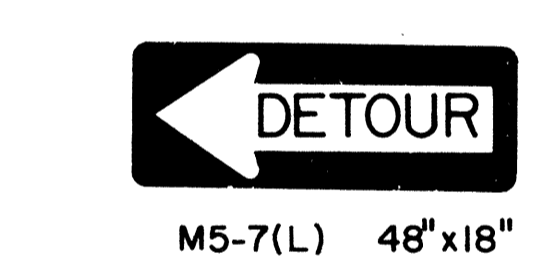
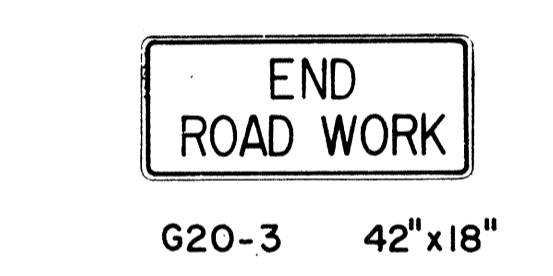
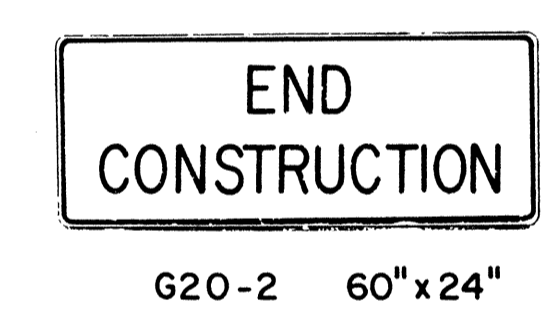
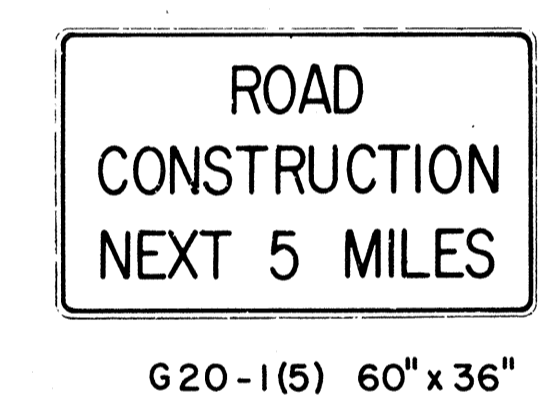
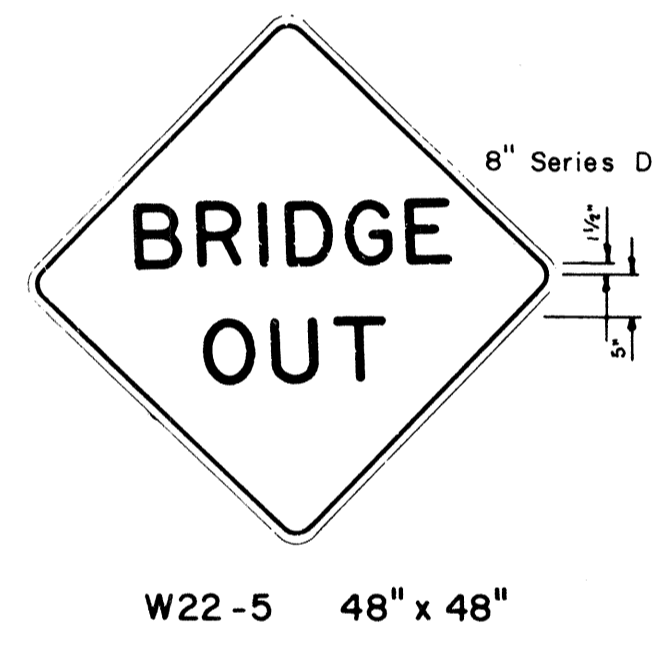
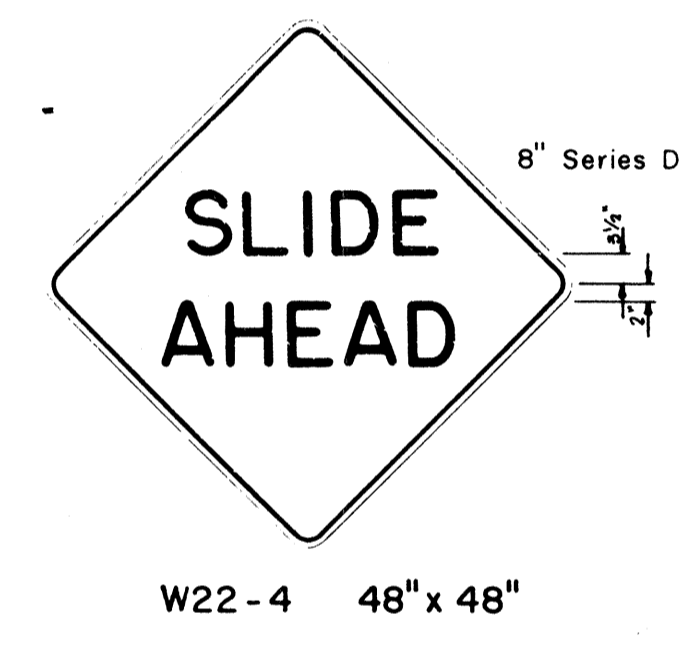
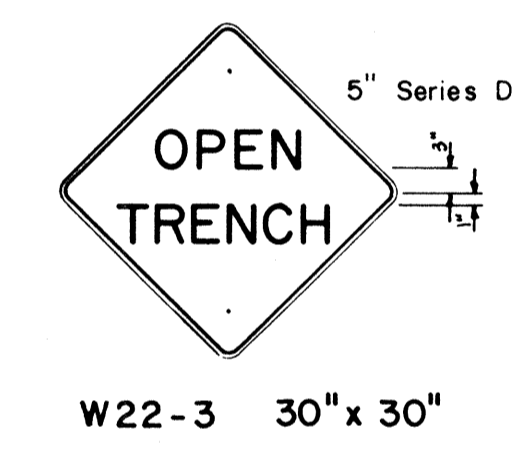
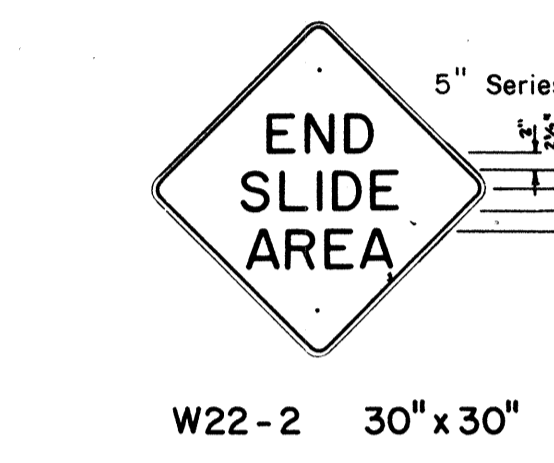
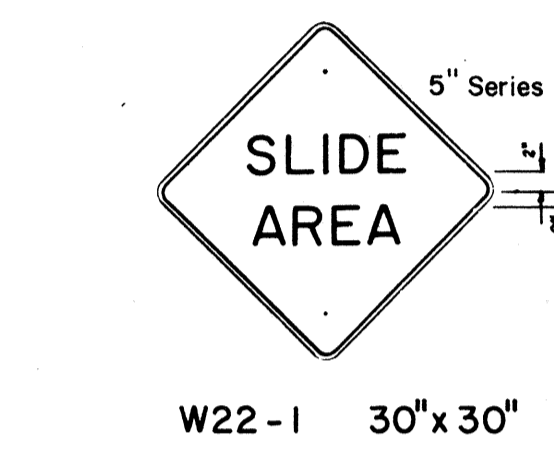
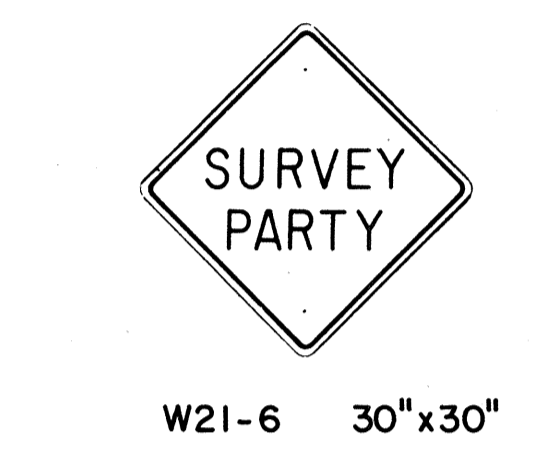
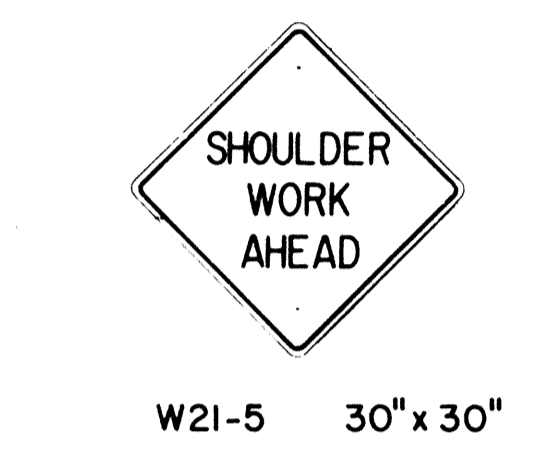
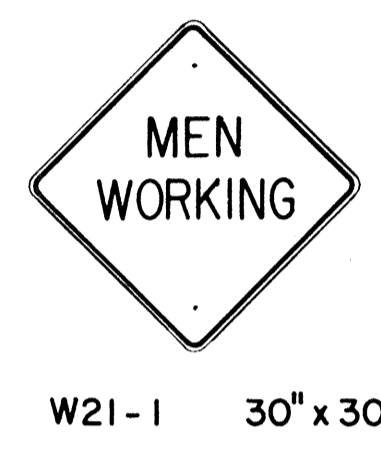
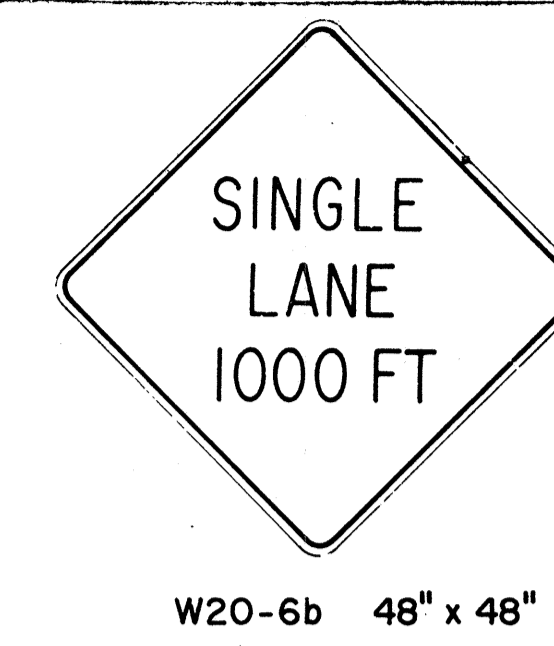
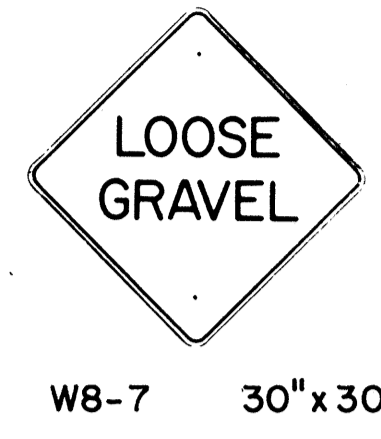
FINAL SURVEY PLOTTED BY DATE
NO. 111125 036
NO. 111125 036

ORIGINAL SURVEY PLOTTED BY DATE
NO. 111125 036
NO. 111125 036



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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-411(89)13	1971	95	362



- 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.

DESIGNED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NO.	

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

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

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

STANDARD DETAILS
CONSTRUCTION SIGNS

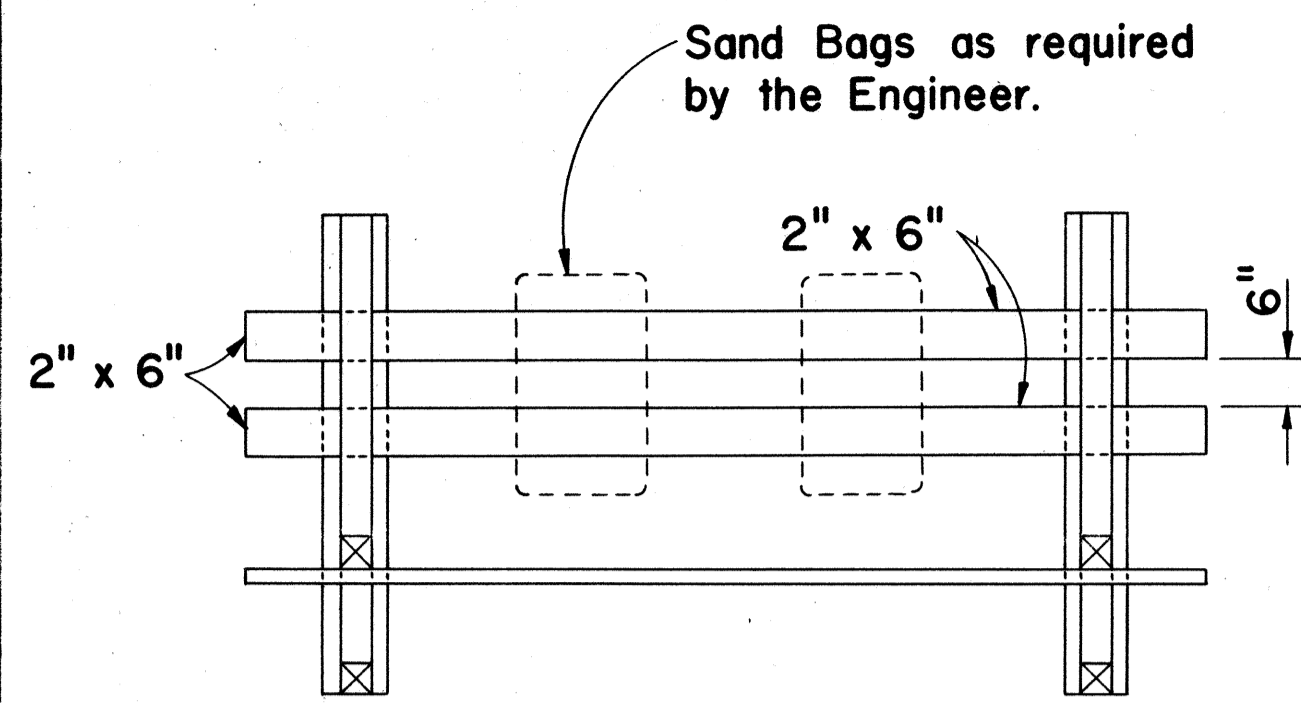
NOT TO SCALE Date: Oct 30, 1970

SHEET No. 15C OF 17 SHEETS DT 104

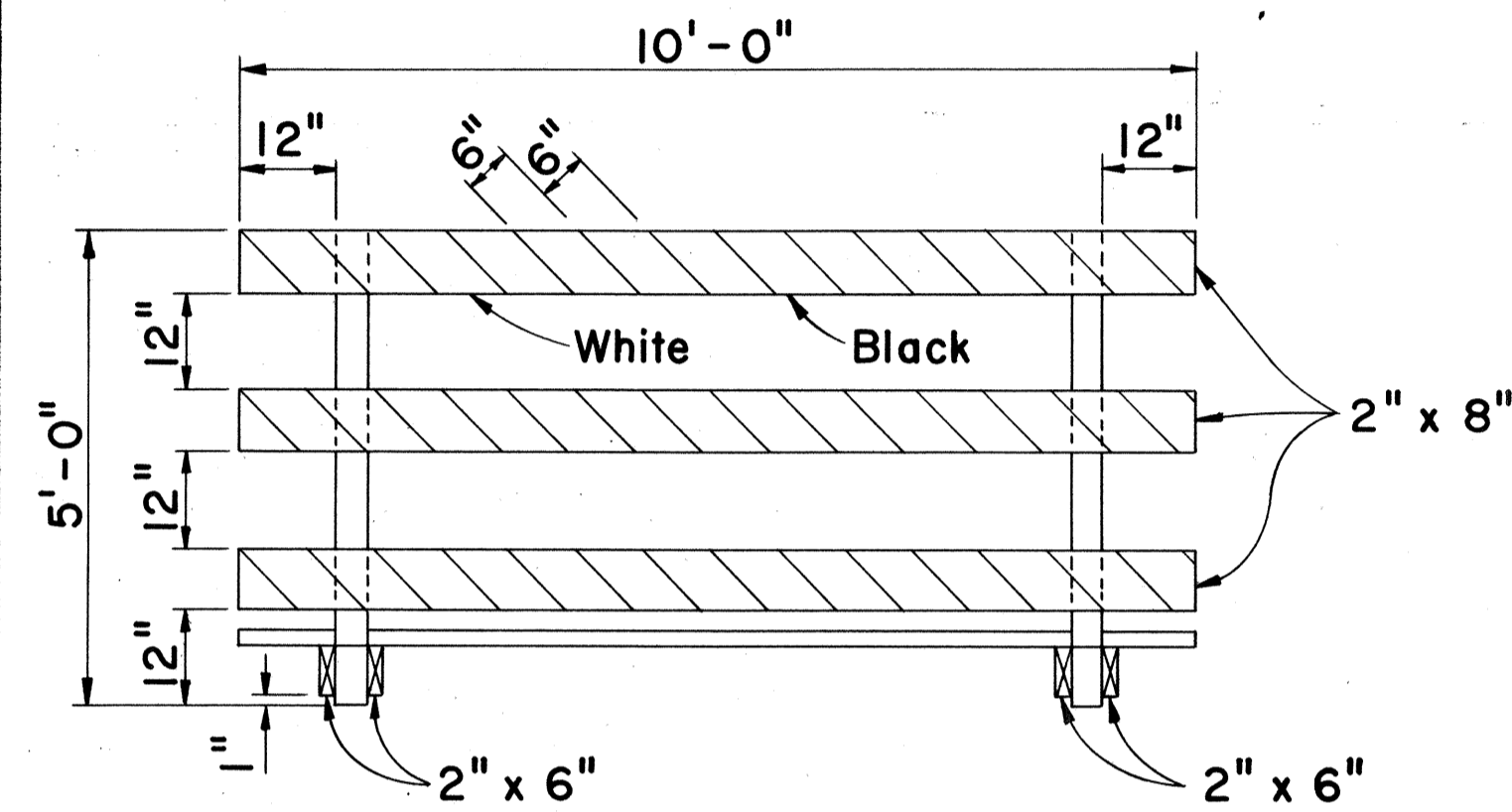
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7-H-10913	1971	76	362

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.
3. The black and white stripes shall slant downward toward the side on which traffic is to pass.



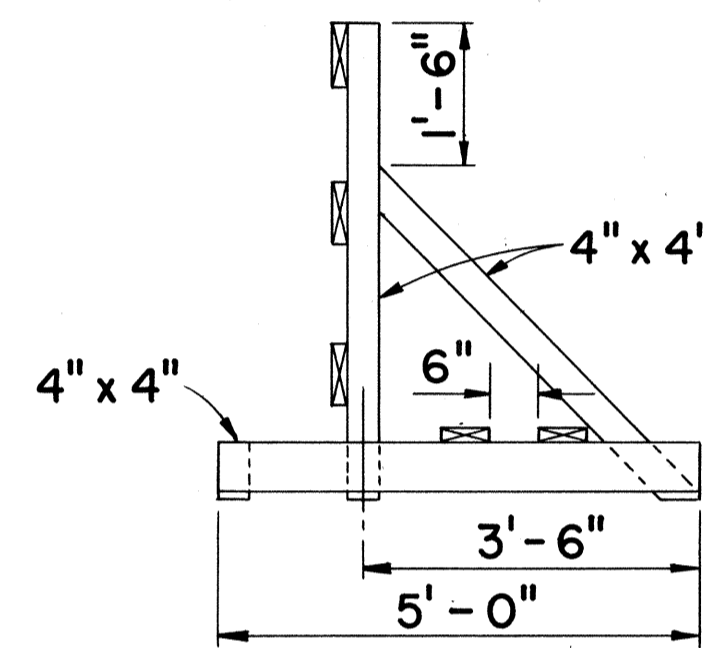
PLAN VIEW



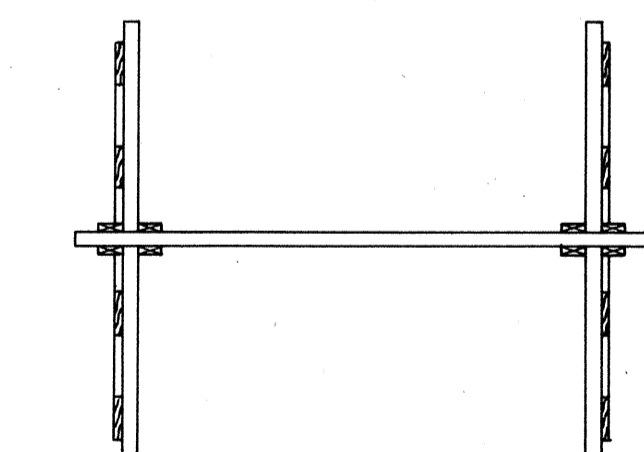
FRONT VIEW

CLASS I BARRICADE

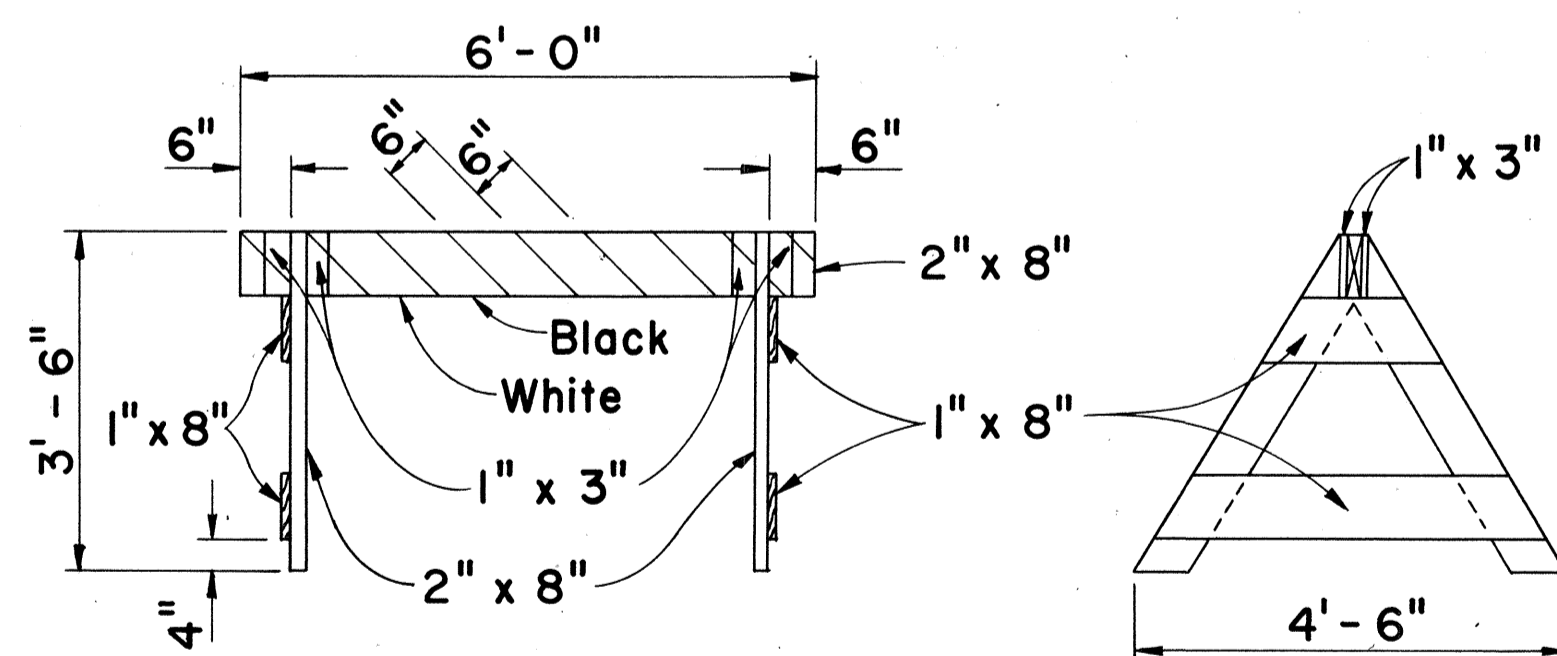
Scale: 1/2" = 1'-0"



END VIEW



PLAN VIEW

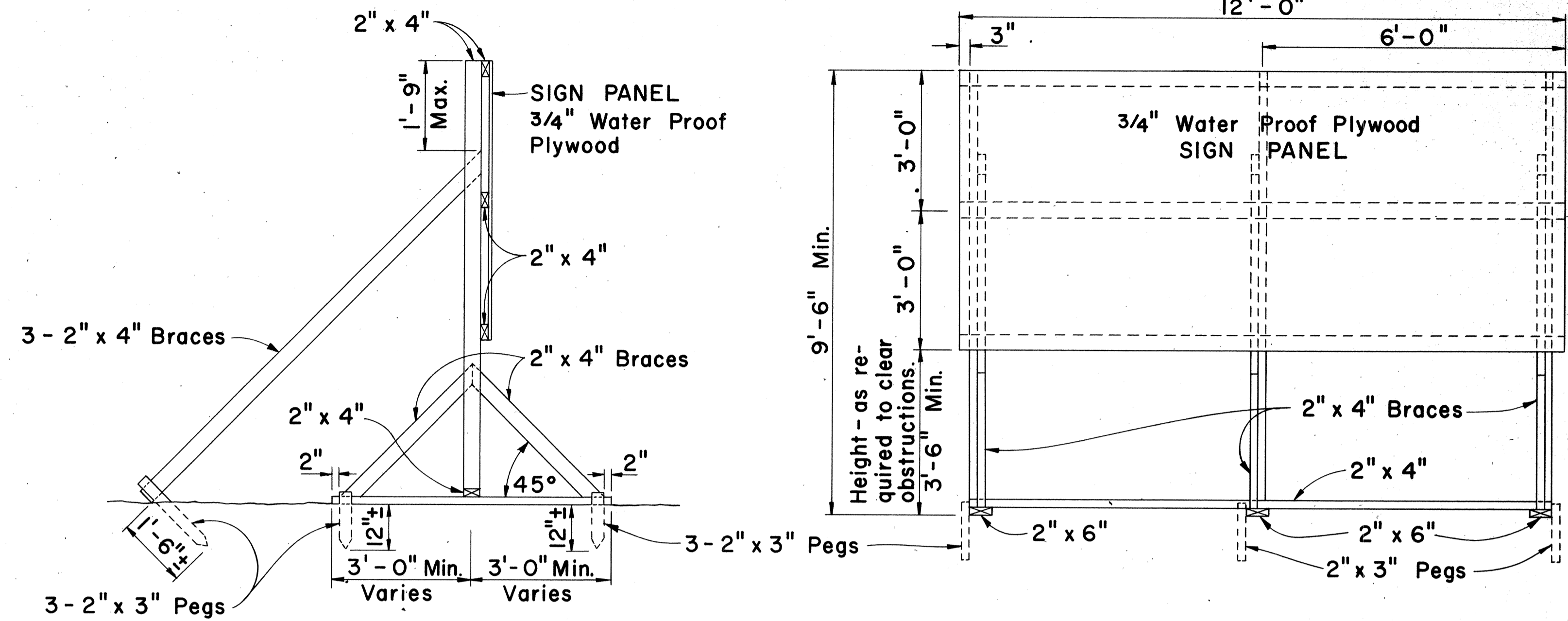


FRONT VIEW

END VIEW

CLASS II BARRICADE

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

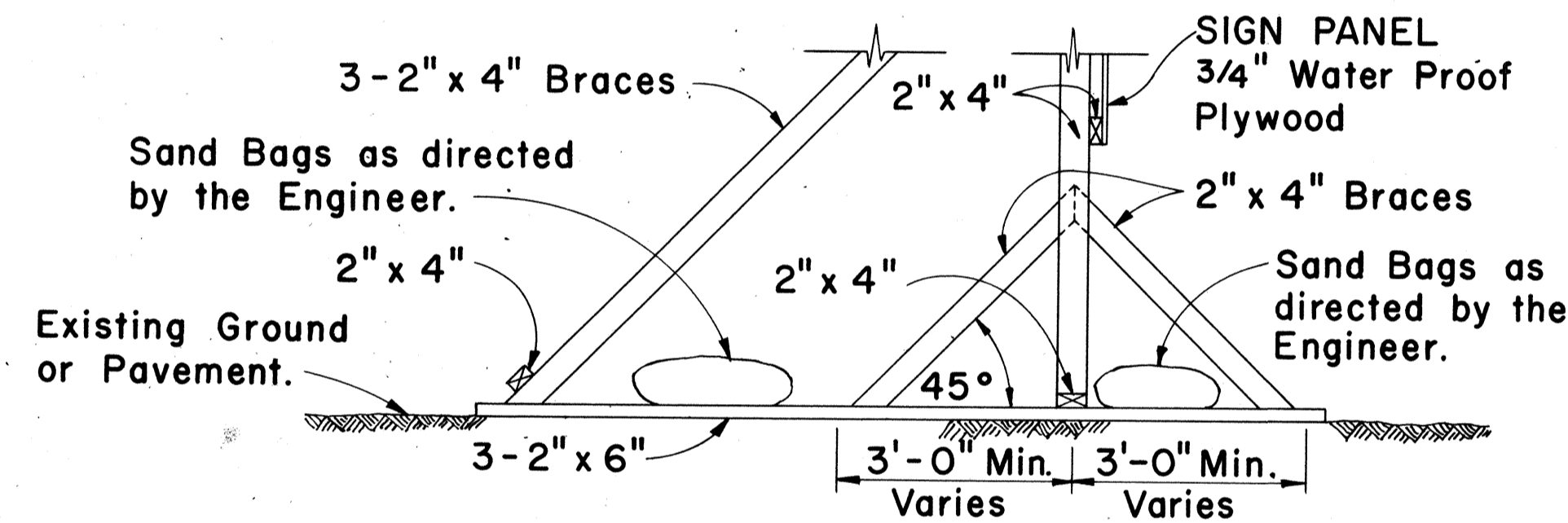


SIDE VIEW

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

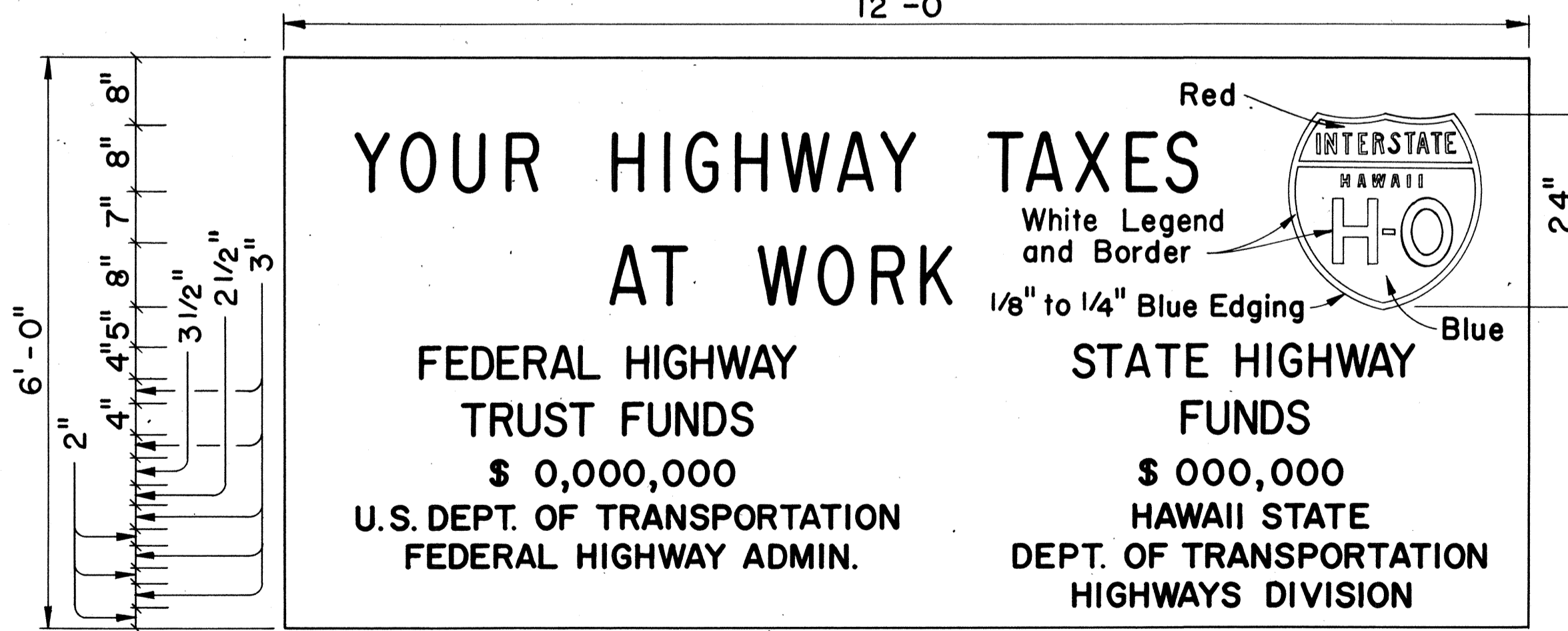
FRONT VIEW

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



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

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:

Etsuki Tanaka 12/29/69
TRAFFIC ENGINEER DATE

APPROVED:

Andrew S. Sato 12-30-69
ASSISTANT CHIEF, ENGINEERING DATE

NO	REVISION	APPROVED BY	DATE
1	Reduce sign width to 12'-0"	H.T.	9-3-10
2	Delete "Bureau of Public Roads"	H.T.	9-24-10
3	Add Note No. 3 for Barricades	H.T.	5-4-11

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

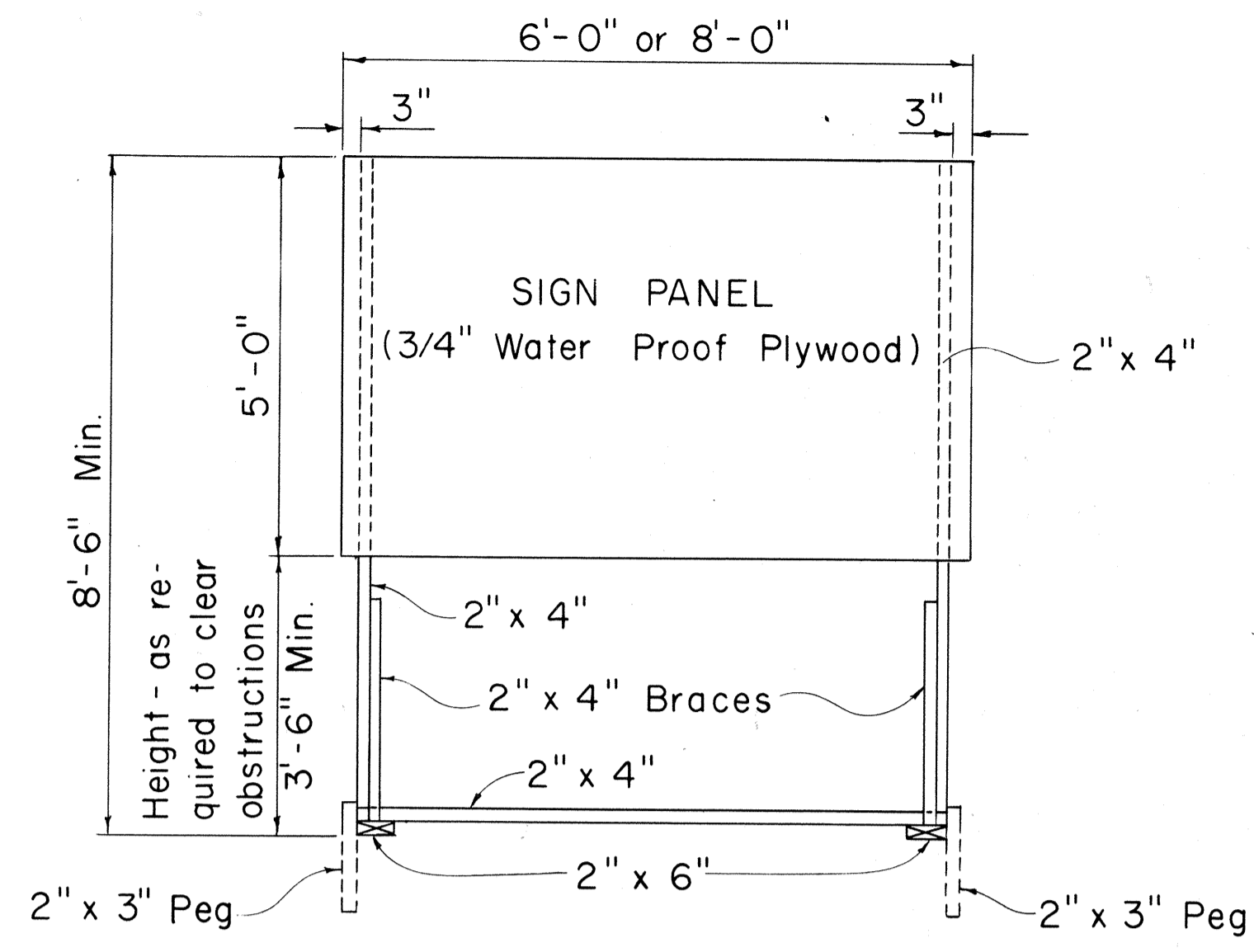
TYPICAL DETAILS
CONSTRUCTION IDENTIFICATION SIGN
AND
WOOD BARRICADES

SCALE: As Shown DATE: Oct. 30, 1970

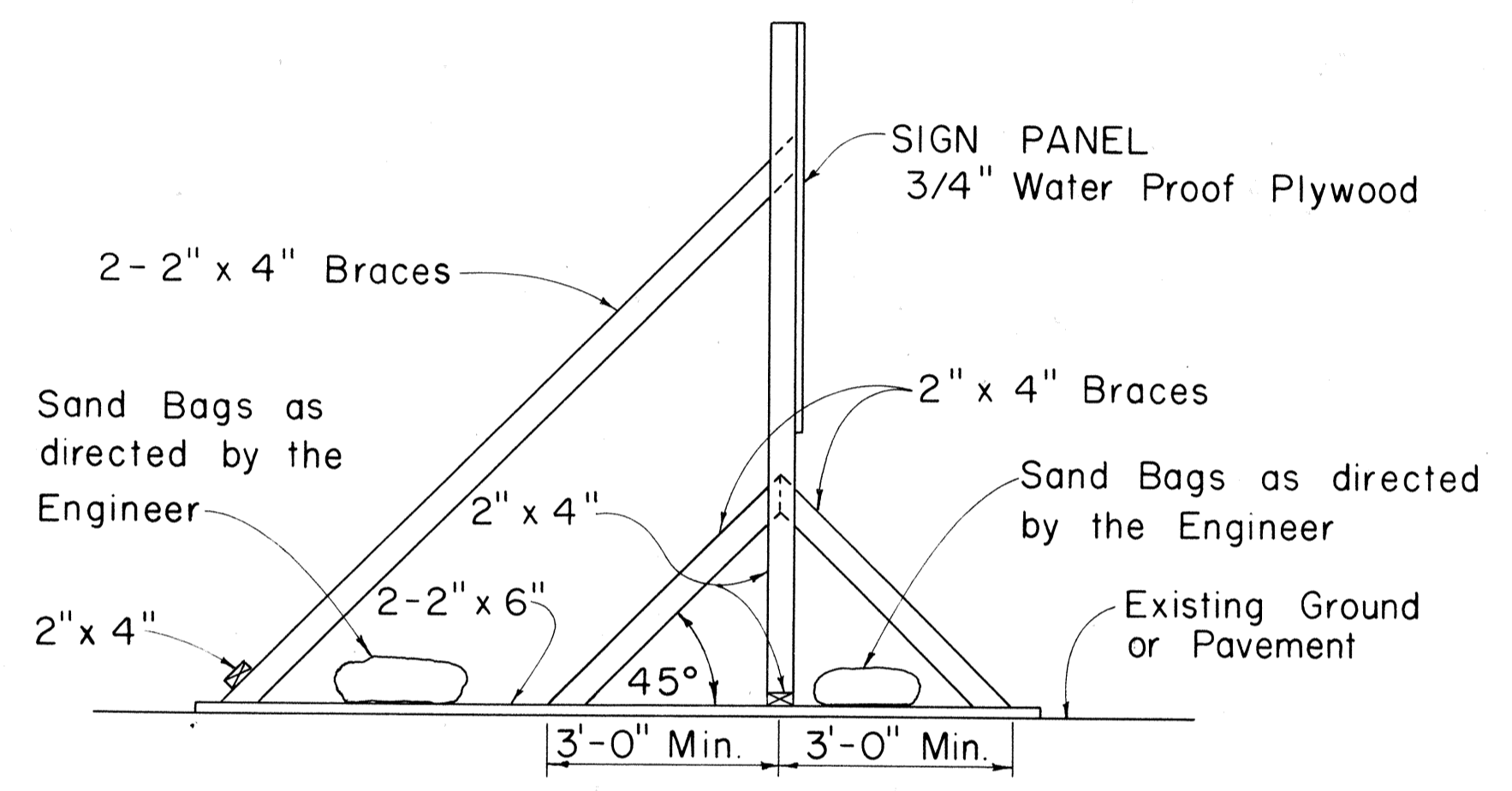
SHEET No. 60 OF 17 SHEETS DT 800

DATE: _____
DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____
No. _____

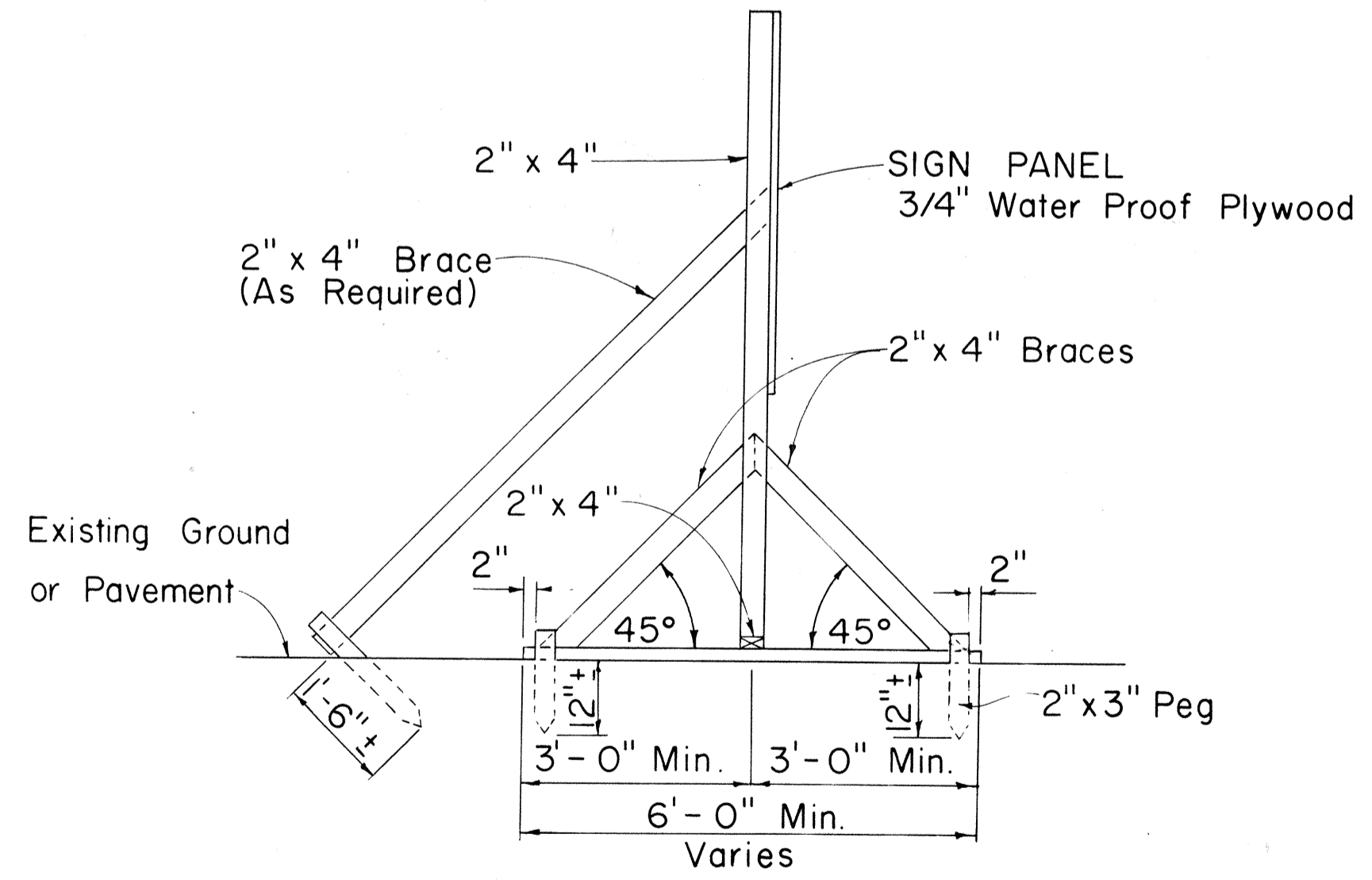
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(69)13	1971	77	362



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

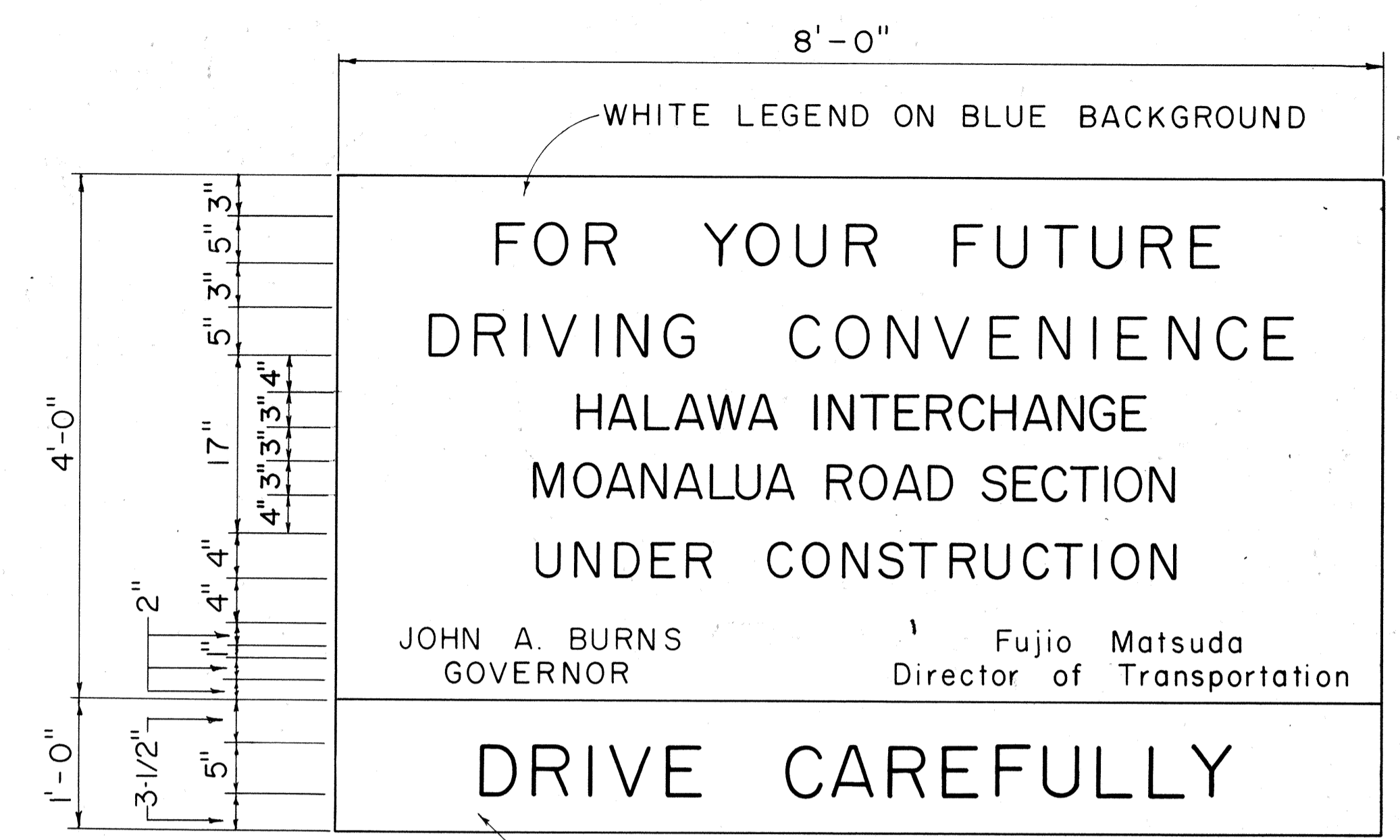


SIDE VIEW
(SIGN SUPPORT AND FRAME WEIGHTED DOWN)
Scale: 1/2" = 1'-0"



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

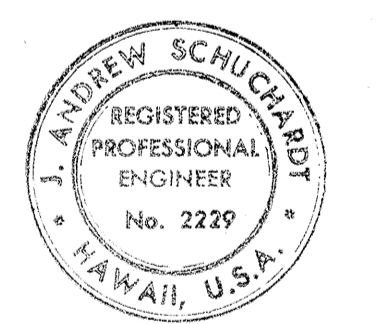
SIGN SUPPORT AND FRAME
Scale: As Shown



WHITE LEGEND ON BLUE BACKGROUND
BLACK LEGEND ON YELLOW BACKGROUND
USE SERIES "D" LETTERS

GENERAL NOTES

1. The sign panels will be constructed by the State and will be available for pick up by the Contractor from the State Highway Maintenance Yard.
2. The Contractor shall construct the sign supports and frames and install the sign panels at the locations shown on the plans and as ordered by the Engineer.
3. At the end of construction the Contractor shall remove the sign panels and return it to the State Highway Maintenance Yard. Sign supports and frames shall be removed and cleared from the project site.



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL DETAILS
PROJECT INFORMATION SIGN
Scale: As Shown
DATE: Oct. 30, 1970
SHEET No. 17C OF 17 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	