

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	190E-01-98M	1998	20	30

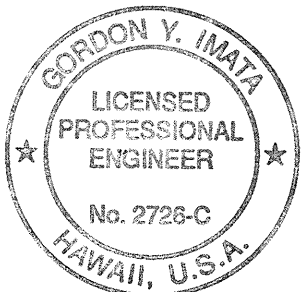
SIGN NOTES

- Letter Size:
 - When letters are all uppercase, use series "E"
 - When initial uppercase letter is used in conjunction with lowercase letters, use series "E" (M) for uppercase letter.
- All signs shall conform to Section 621 of the Special Provisions and the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
- Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign messages shall be as indicated on the plan.
- All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. Abutting edges of panels shall be in only one direction if vertical abutting edges are used. No horizontal abutting edges shall be allowed and vice versa.
- Contractor shall submit all sign splicing details to the Engineer for approval. All backing for signs 4 feet by 6 feet or less shall be of one sheet.
- Backing for all new Regulatory and Warning Signs shall not be spliced.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal of existing signs and/or posts as designated on these plans to be delivered to the Hilo District Baseyard as directed by the Engineer and shall be incidental to the various signing items.
- Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.
- Removing and reinstalling existing Street Name Signs on Regulatory and Warning Sign Post shall not be paid for separately but shall be considered incidental to the various signing items.
- All Existing Destination, Street Name, and Non-Standard Signs, that are to be Removed and New Sign installed at the same or new location, shall be identical to the existing sign in size and text. The Contractor shall submit Shop Drawings to the Engineer for approval prior to fabricating the sign.
- All signs shall be installed on 12 gauge square tubing posts, unless otherwise noted.
- Mount Sign Posts with RM-3 reflector markers as directed in the field by the Engineer.
- Sign posts shall be painted with yellow reflective paint, except where located behind guardrails. Such paint work shall be considered incidental to sign items.
- The Contractor shall erect at the begining of the project and at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645-Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean, and deliver the signs and posts to the Hilo District Baseyard or as directed by the Engineer at the end of the project.

REFLECTOR MARKER LEGEND

- ├ RM-1 REFLECTOR MARKER
- ├├ RM-2 REFLECTOR MARKER
- ├├├ RM-3 REFLECTOR MARKER
- ├├├├ RM-4 REFLECTOR MARKER

SURVEY PLATTED BY	DATE
DRAWN BY	*****
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
No.	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Gordon Y. Iwata

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

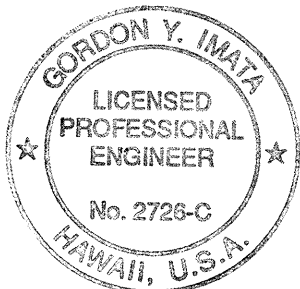
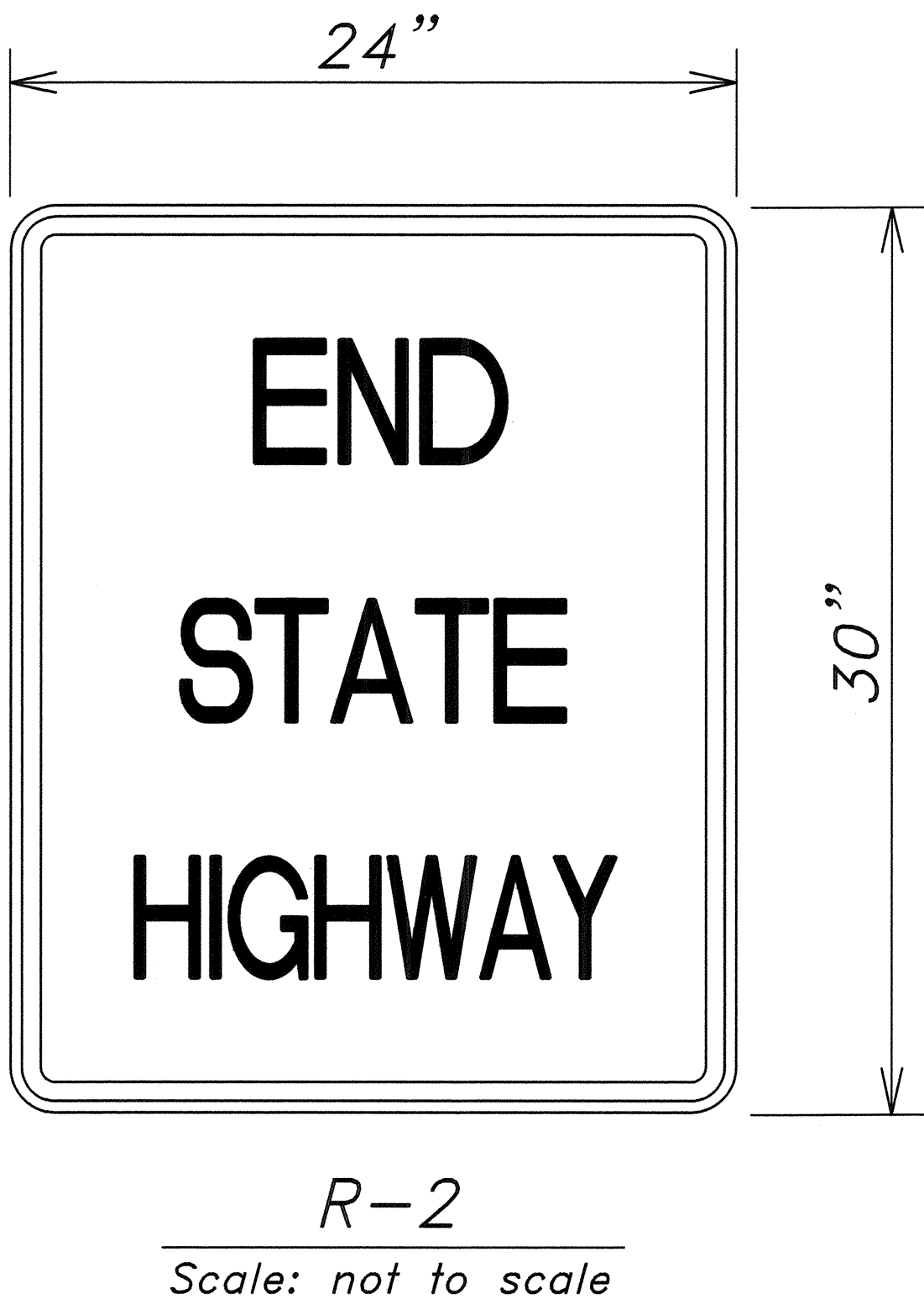
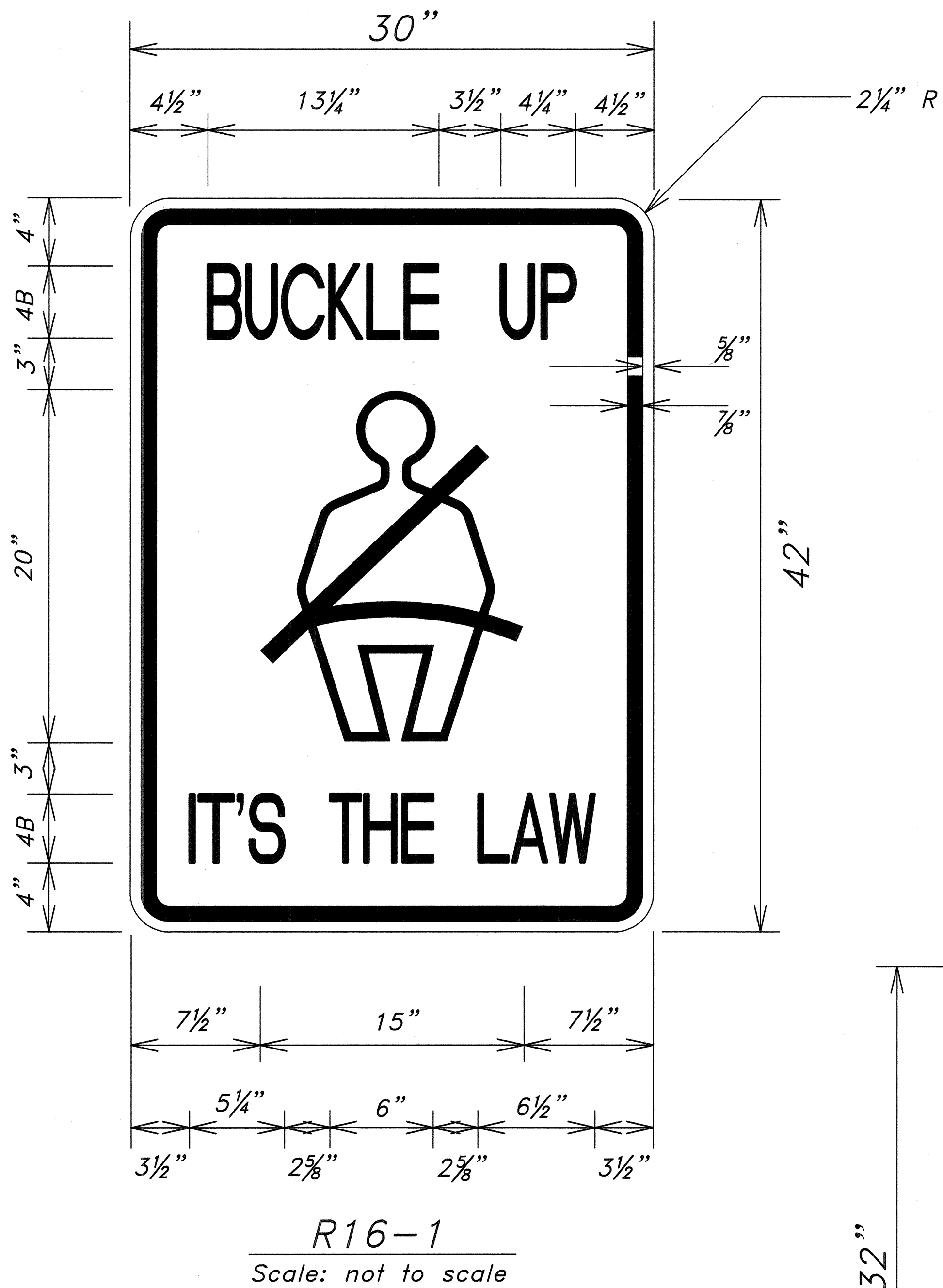
SIGN DETAILS AND NOTES

MAMALAHOA HIGHWAY RESURFACING
WAIMEA TO KAMAKOIA BRIDGE NO. 1
Project No. 190E-01-98M

Scale: Not To Scale Date: April, 1998

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	190E-01-98M	1998	21	30



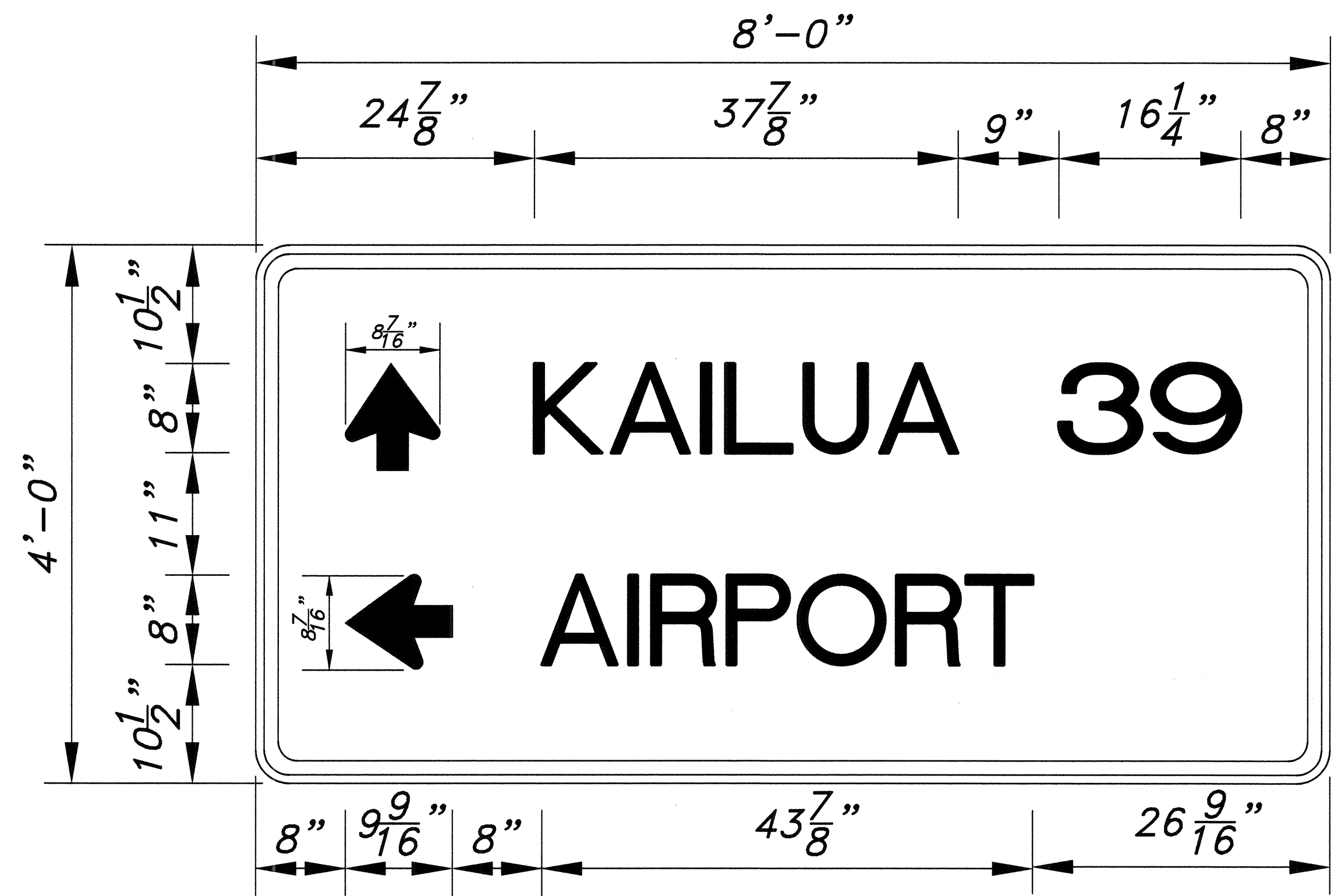
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Gordon Y. Imata

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

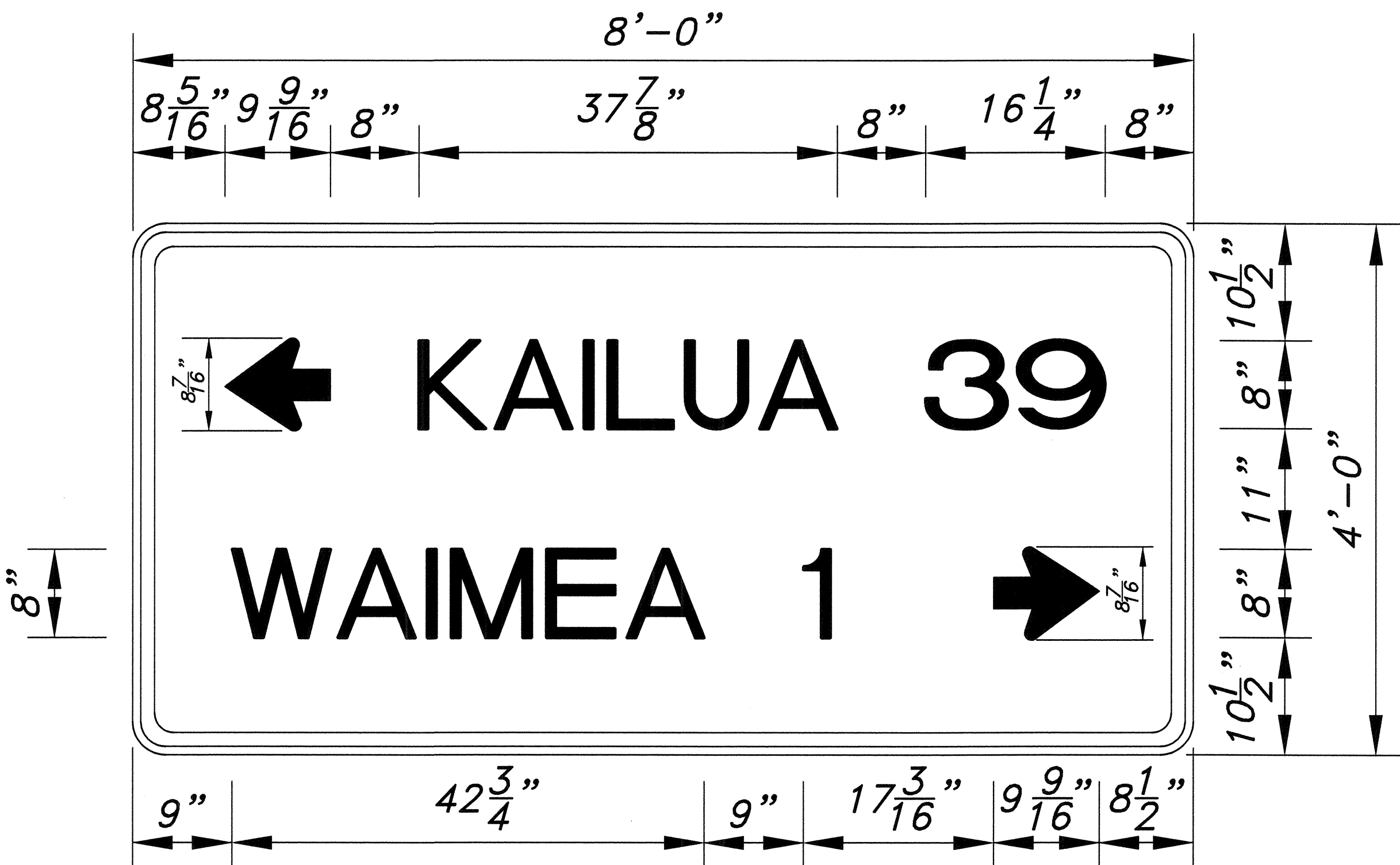
SIGN DETAILS AND NOTES
MAMALAHOA HIGHWAY RESURFACING
WAIMEA TO KAMAKOA BRIDGE NO. 1
PROJECT NO. 190E-01-98M
Scale: As Shown Date: APRIL, 1998
SHEET No. 1 OF 1 SHEETS

DESIGNED BY	DATE
NOTED BY	
CHECKED BY	
QUANTITIES BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
QUANTITIES BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
QUANTITIES BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	190E-01-98M	1998	22	30



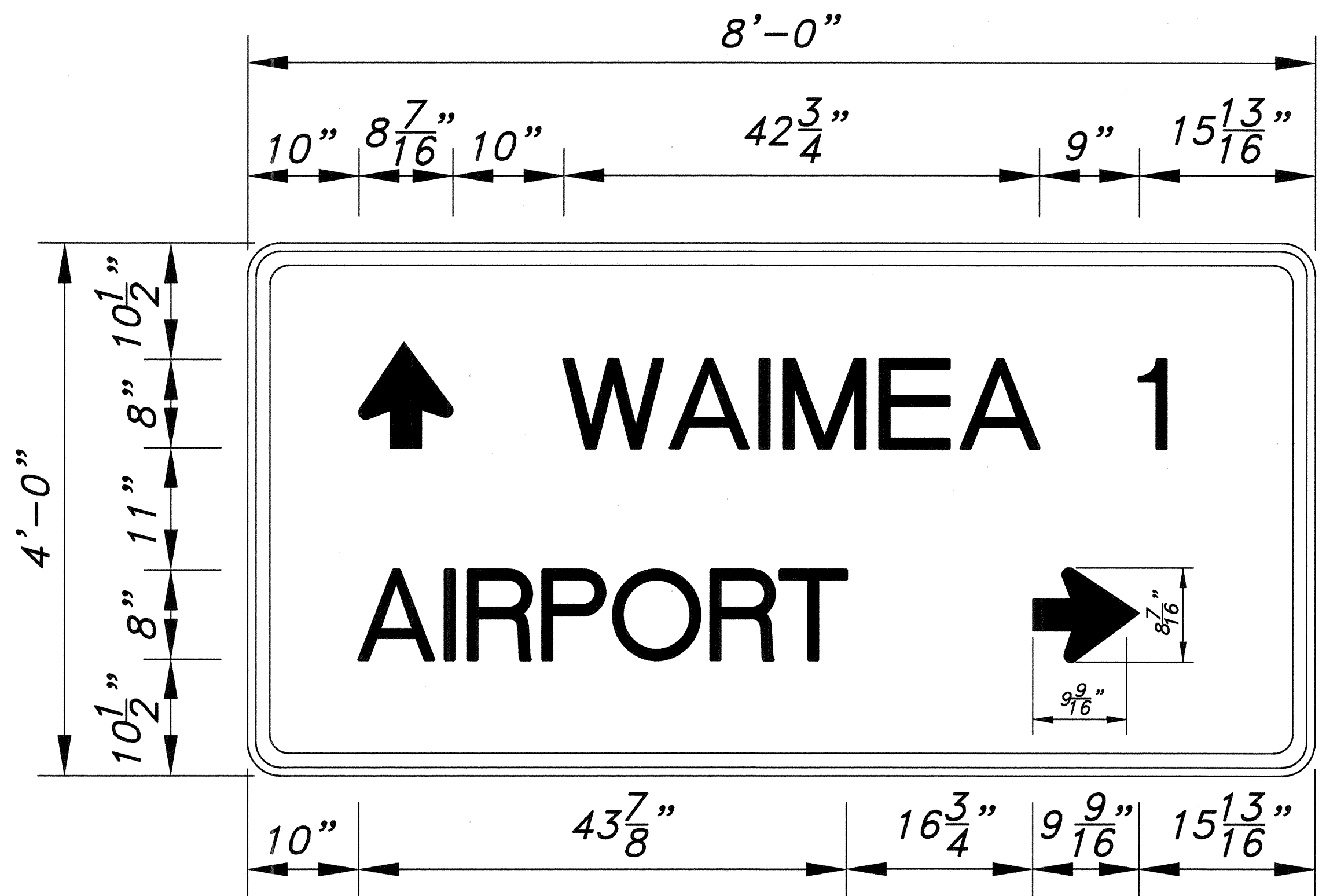
STA. 396+56 LT.
SIGN D-1



STA. 392+85 LT.
SIGN D-2

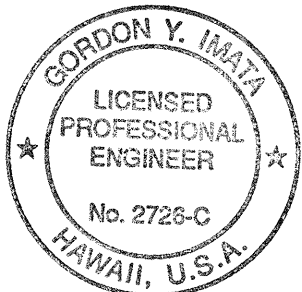
DETAILS FOR DESTINATION SIGN

This work shall be covered under contract Item No. 621.0200, Panel For Destination Sign and Item No. 621.1300, Breakaway Sign Post And Foundation For Destination Sign. For Post And Base details, see standard plans sheet no. TE-24. Breakaway Sign Posts shall be W6X9.



STA. 389+70 RT.
SIGN D-3

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



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
[Signature]

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>SIGN DETAILS AND NOTES</u>	
MAMALAHOA HIGHWAY RESURFACING WAIMEA TO KAMAKOHA BRIDGE NO. 1 PROJECT NO. 190E-01-98M	
Scale: As Shown	Date: APRIL, 1998
SHEET No. 1 OF 1 SHEETS	