

NOTES

1. This Project consists of installing pavement markings and roadway delineation; and refurbishing and installing new destination signs.
2. The Contractor's attention is directed to Section 107 - Legal Relations and Responsibility to Public and Section 645-Traffic Control for traffic control requirements.
3. Final locations of all signs, pavement markings and roadway delineation shall be approved by the Engineer prior to any installation work.
4. 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.
5. Backing for all new Regulatory and Warning Signs shall not be spliced.
6. Interstate Route Marker Symbols shall conform to details shown on the plans and as specified in the MUTCD.
7. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - b. "Standard Highway Signs."
 - c. "Standard Alphabets for Highway Signs."
8. Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
9. Sign messages shall be as indicated on the plan.
10. All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
11. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
12. Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.
13. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
14. Other Construction and/or maintenance contract projects may be in operation within the limits of the contract. Coordination and scheduling of work will be determine by the Engineer.
15. Construction signs installed and/or posted by others shall be relocated and reinstalled as determined by the Engineer. Payment for this work shall be made under Item No. 645.0200 - Police Officers and/or Additional Traffic Control Devices.

EXPRESSWAY (E) AND DESTINATION (D) SIGN NOTES

1. Background for all illuminated ("E" designation), non-illuminated ("D" designation) sign and exit number panels shall be reflectorized with Type III or IV retroreflective sheeting (High Intensity or High Performance Grade).
2. The message, arrows and borders of expressway signs ("E" and "D" designations) and exit number panels shall be reflectorized with porcelain enameled aluminum cut-outs with acrylic plastic reflex reflectors or Type III or IV retroreflective sheeting (High Intensity or High Performance Grade)
3. The Contractor shall verify the locations and dimensions of existing Sign Panels and supports.
4. New sign panels shall be laminated aluminum or extruded aluminum.
5. Letter Size:
 - a. When letters are all uppercase, use series "E"
 - b. When initial uppercase letter is used in conjunction with lowercase letters, use series "E"(M) for uppercase
6. 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.
7. The amount and center-to-center spacing of Expressway Sign Luminares shall be in accordance with the luminares manufacturer's instructions. Maximum center-to-center spacing of luminares shall be 10-feet.
8. Destination and Expressway Sign Posts shall be as noted on the plans.
9. Existing damaged steel framing luminaire supports and/or ballast housing box shall be replaced prior to installing the new sign luminares. This work shall be considered incidental to Item No. 622.2300 - Replacement of Existing Luminares with 175-Watt Metal Halide Luminares for Expressway Sign Lighting.
10. Incidental parts and services, including sign lighting system, not shown on the plans or specified but deemed necessary for the sign installation, shall be furnished and installed by the Contractor as part of the work contracted.
11. Removal and disposal of existing sign panels, posts with foundation, luminares and supports will not be paid for separately, but shall be considered incidental to the various signing items.
12. Connections of new sign luminares to existing transformer and ballast housing and all incidental parts and service necessary will not be paid for separately, but shall be considered as incidental to replacement of existing luminares with 175-Watt metal halide.
13. Moving existing Exit Number Sign Panels to the right or left edge of Expressway of Destination Signs shall be considered incidental to Item No. 621.0600 - Overlay Panel for Exit Number Sign.
14. Installing additional steel framing luminaire supports will not be paid for separately, but shall be considered incidental to Item No. 622.2300 - Replacement of Existing Luminares with 175-Watt Metal Halide Luminares for Expressway Sign Lighting
15. Existing overhead sign panels to be centered over lane will not be paid for separately, but shall be considered incidental to Item No. 621.0400 - Overlay Panel for Expressway Sign.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1(215)	1992	3	44

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NOTES
INTERSTATE ROUTE H-1
PAVEMENT MARKINGS, ROADWAY
DELINEATION & REFURBISH SIGNS
Palailal I.C. to Ainakoa Ave.
F.A.I. Project No. IR-H1-1(215)
Date: March 1992
SHEET No. 1 OF 1 SHEETS