

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37B-02-94	1995	3	8

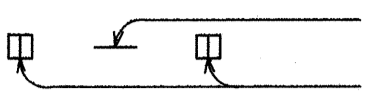
CONSTRUCTION NOTES

1. The scope of work for this project consists of installing a new traffic signal system with appurtenances, pavement striping and markings, and signing.
2. The contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety. Subsection 107.21 - Contractor's Responsibility for Utility Property and Services. Section 645 - Traffic Control.
4. 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.
5. Locations of existing underground structures and utilities such as pipelines, conduits, cables, etc., manholes, monuments, and structures shown on plans are approximate only. It is not the intent of these plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.
6. Contractor shall provide for access to and from all existing side streets and driveways at all times.

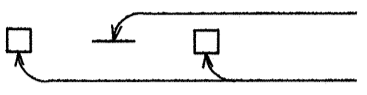
NOTES

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. The removal of the existing pavement markings shall not be paid for separately but shall be considered incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. 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 or directed by the Engineer shall not be paid for and shall be considered incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the Legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. Stop signs indicated to be removed shall be removed after the traffic signal system is operational.
10. Removal of Existing Delineators and Posts as directed by the Engineer shall be considered incidental to the various signing items.
11. 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.
12. Backing for all new regulatory and warning signs shall not be spliced.
13. 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 Street and Highways" (MUTCD)
 - b. "Standard Highway Signs"
 - c. "Standard Alphabets for Highway Signs"
14. All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
15. The Contractor shall erect at the beginning 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 Maui District Baseyard or as directed by the Engineer of the project.

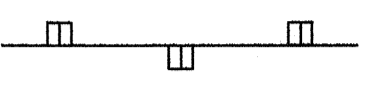
LEGEND



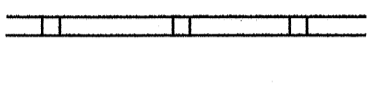
4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 40'-0" o.c.



4 each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.



8" White Stripe with Type C Raised Pavement
Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic
Extrusion)



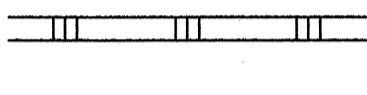
4" Double Solid Yellow with Type D
Raised Pavement Markers @ 20'-0" o.c.
(Tape, Type I or Thermoplastic Extrusion)



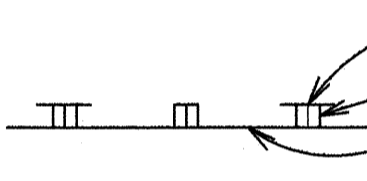
4" Double Solid Yellow Stripes with Type H
Raised Pavement Markers @ 20'-0" o.c.
(Tape, Type II or Thermoplastic Extrusion)



4" Yellow Edge Stripe with Type H Raised
Pavement Markers @ 40'-0" o.c.
(Tape, Type II or Thermoplastic Extrusion)



4" Double Solid White Stripes with Type C
Raised Pavement Markers @ 20'-0" o.c.
(Tape, Type I or Thermoplastic Extrusion)



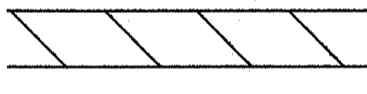
Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic
Extrusion)



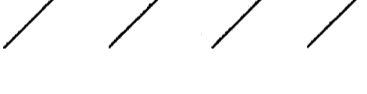
4" or 8" White Edge Stripe with Type C Raised
Pavement Markers @ 40'-0" o.c. (Tape, Type II or
Thermoplastic Extrusion)



4" White Guide Lines (Tape, Type III or
Thermoplastic Extrusion except for bus bays)



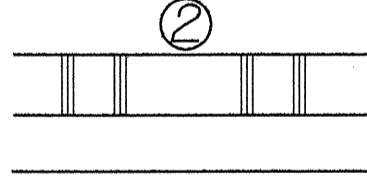
Transverse Median Marking (Tape, Type II or
Thermoplastic Extrusion)



Transverse Shoulder Marking (Tape, Type II or
Thermoplastic Extrusion)



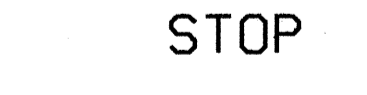
Channelizing Island or Deceleration Lane Gore
(Tape, Type II or Thermoplastic Extrusion)



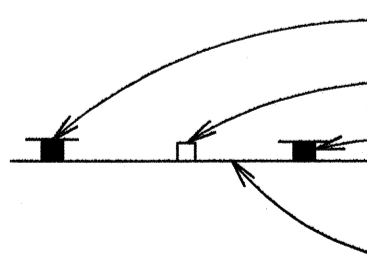
Crosswalk and Stop Line. All Stop Lines
shall be 10'-0" from Crosswalk unless
otherwise noted. The circled number
indicates the number of lanes for payment
(Tape, Type III or Thermoplastic Extrusion)



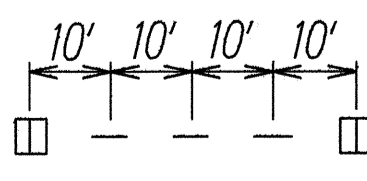
Pavement Arrow (Tape, Type III or Thermoplastic
Extrusion)



Pavement Word (Tape, Type III or Thermoplastic
Extrusion)



4 Each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
Type H Raised Pavement Markers (Reflective
Surface facing no-passing direction)
4" Single Solid Yellow Stripe (Tape, Type I or
Thermoplastic Extrusion)



Extension of Edge Line, 4" Wide x 2'-0" Long White
Stripe @ 10'-0" o.c. w./Type C Markers @ 40'-0" o.c.
(Tape, Type III or Thermoplastic Extrusion)

ORIGINAL PLAN	DATE	3/94
SURVEY PLOTTED BY		
DRAWN BY	B. Aul	
TRACED BY		
DESIGNED BY	G. Kalali	
NOTES		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKINGS
LEGEND, DETAILS & NOTES
HALEAKALA HIGHWAY (PUKALANI BY-PASS)
TRAFFIC SIGNALS AT MAKAWAO AVENUE
PROJECT NO. 37B-02-94
Date: June, 1994
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37B-02-94	1995	4	8

BITUMINOUS CURB, TYPE 6 NOTES:

1. The existing bituminous pavement surfaces shall be thoroughly swept and cleaned by compressed air. Apply tack coat prior to placing of the bituminous mixture.
2. Existing transverse/chevron markings shall remain. Markings within the bituminous curbs shall be removed or as directed by the Engineer.

LEGEND

- New 12" Stop Line and Crosswalk
- New Pavement Arrow
- Remove Exist. Pavement Markings

