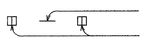
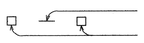
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | 32A-01-93M | 1993 | 3 | 4 |

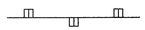
## LEGEND



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)



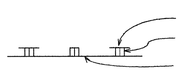
4"Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'- 0" o.c. (Tape, Type II or Thermoplastic Extrusion)



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)

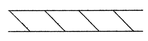


Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 20'- 0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)

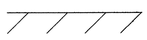
4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)



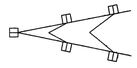
4" White Guide Lines (Thermoplastic Extrusion)



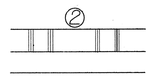
Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)



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

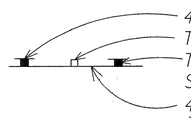


Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)

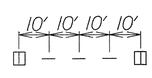


Crosswalk and Stop Line. All Stop Lines shall be 10'- 0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment. (Thermoplastic Extrusion)

Pavement Arrow (Tape, Type I or Thermoplastic Extrusion)
Pavement Word (Tape, Type I or Thermoplastic Extrusion)



4 Each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
Type HL 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. (Thermoplastic Extrusion)

## GENERAL NOTES

1. The scope of work for this project consists of extending the left turn lane from Kaahumanu Avenue into Mahalani Street. Improvements consist of pavement widening, relocating a traffic signal standard and traffic signs and installing pavement markers and striping.

2. The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety: Section 645 - Traffic Control and Subsection 107.21 - Contractor's Responsibility for Utility Property and Service of the Special Provisions.

3. 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.

4. The existence and location of underground utilities, such as pipelines, conduits and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of the work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.

5. The location of the traffic signal standard, conduits and loop detectors shall be staked out in the field by the Contractor and approval of the locations shall be obtained from the Engineer prior to construction and installation.

6. All traffic signal work shall conform to the requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways", Federal Highway Administration (1978) and Amendments.

7. Maintenance of traffic through the construction area shall be in accordance with Part VI of the "Manual on Uniform Traffic Control Devices for Streets and Highways", Federal Highway Administration (1978) and as specified in the Special Provisions. The contractor shall furnish and maintain adequate barricades, blinkers, construction signs, etc. for the safety of the motoring public.

8. Relocation of existing signs shall also include the removal of posts and foundations unless otherwise noted. All sign materials removed by the Contractor shall be delivered to the State Highways Maintenance Baseyard at 650 Palapala Drive, Kahului, Maui, or as directed by the Engineer. Costs for removal of signs and delivery to the State Highways Maintenance Baseyard shall be considered incidental to other items of work.

9. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.

10. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.

11. Raised pavement markers shall not be installed within crosswalks.

**12.** Relocation of traffic signal standard includes relocation of foundation and providing the required conductors to make it a working system. Minimum size of conductor shall be #12.

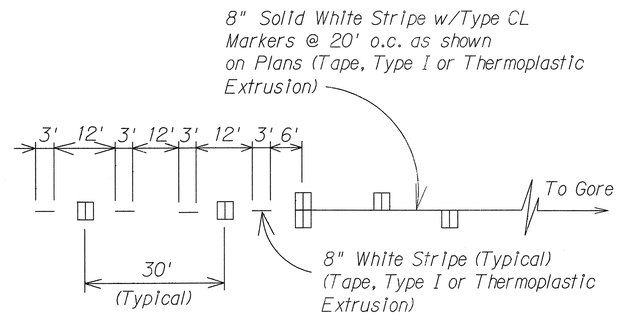
**13.** The contractor shall contact the Traffic Signal Technician at least 48 hours prior to relocation of the traffic signal appurtenances.

14. Final locations of all signs shall be approved by the Engineer prior to any installation work.

15. 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.

16. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.

17. All pavement striping shall be as noted on the Legend or plans.




LANE DROP MARKING
Not to Scale

| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
|---|---|---|
| | DRAWN BY Hwy Mtrls(JG, Atlburio | |
| NOTE BOOK | TRACED BY R. Hiranaka | |
| dd2.george | DESIGNED BY | |
| N:\kaadleg.dgn | QUANTITIES BY | |
| | CHECKED BY | |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# LEGEND, GENERAL NOTES, PAVEMENT MARKING DETAILS

KAAHUMANU AVENUE
Left Turn Onto Mahalani Street
Project No. 32A-01-93M

Scale: As Shown Date: April, 1993

SHEET No. 1 OF 1 SHEETS