

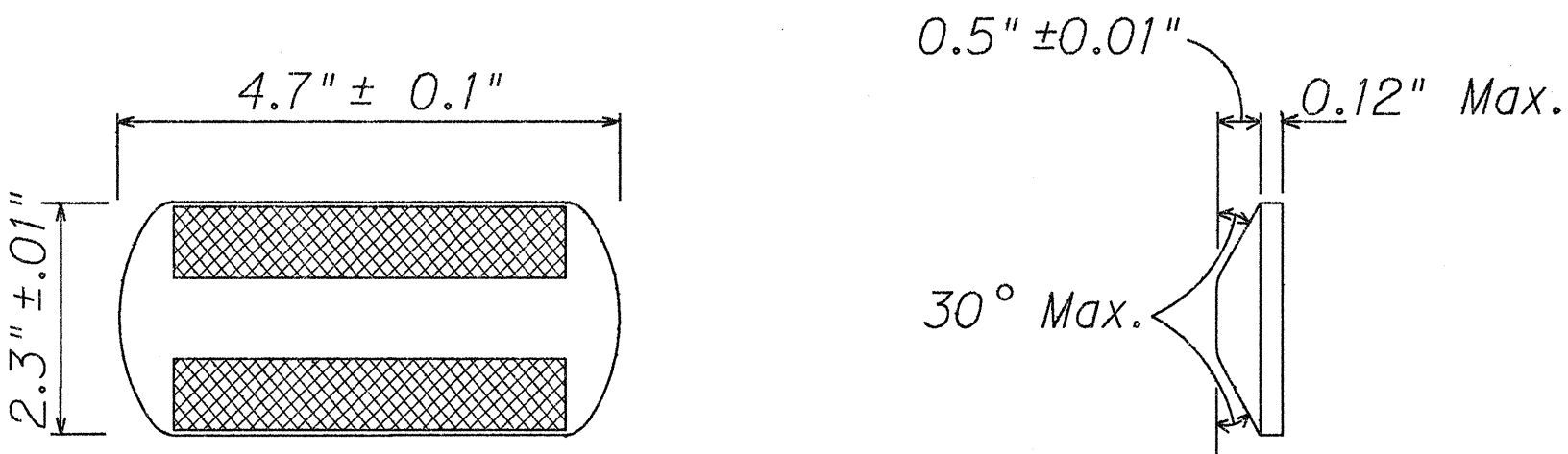
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-91	1992	6	7

NOTES

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- 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.
- Raised pavement markers shall not be installed within crosswalks.
- Details of Type C, Type D and Type H Markers on Standard Plan Nos. TE-30, TE-31 and TE-32 shall be deleted and replaced with details of Type CL, Type DL and Type HL Markers as shown on this sheet. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- 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.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the Legend or plans.
- 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.
- Cost for painting bituminous curb white shall be paid for under item no. 609.6000 BITUMINOUS CURB, TYPE 6.
- Locations of Existing underground structures and utilities such as pipelines, conduits, cables, etc., 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.
- The locations of the traffic signal standards, traffic signal standards with mast-arm, pedestrian push buttons, traffic controller, pullboxes, 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.
- 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.
- 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.
- Removal 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.

TRAFFIC SIGNAL NOTES

- All traffic signal controller equipment shall be completely wired in the cabinet and shall control the traffic signals as called for in the plans.
- Signal Indications during clearance interval:
  - If a signal is G or  $\rightarrow G$  and will remain G or  $\rightarrow G$  during the next phase, it shall be G or  $\rightarrow G$  during the clearance interval.
  - If a signal is G or  $\rightarrow G$  and will become R or extinguished during the next phase, it shall be Y or  $\rightarrow Y$  during the clearance interval.
  - If a signal is R and will remain R or becomes G during the next phase, it shall remain R during the clearance interval.
- A solid #8 bare copper wire shall be pulled with the traffic control cable for equipment ground. Cost shall be incidental to the various contract items.
- Traffic Signal System shall remain operational at all times, especially during peak and non-work hours. All required work & materials necessary to keep the traffic signals operational shall be considered incidental to the various contract items.
- All conduits shall be steel or PVC schedule 80.
- Maui Electric Company shall connect the power to the Traffic Controller. The Engineer shall coordinate this work with the Contractor and Maui Electric.



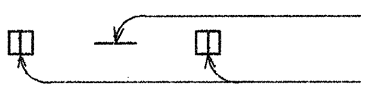
TYPE CL  
Red-Clear Reflective Marker or

TYPE DL  
Two-Way Yellow Reflective Marker or

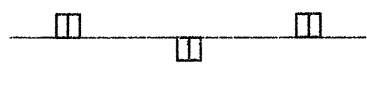
TYPE HL  
One-Way Yellow Reflective Marker

RAISED PAVEMENT MARKER DETAILS  
Not to Scale

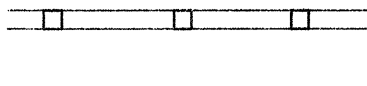
LEGEND



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



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



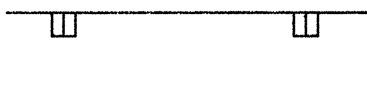
4" Double Solid Yellow with Type DL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)



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



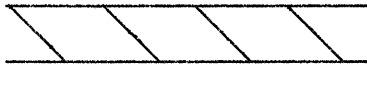
4" Yellow Edge Stripe with Type HL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)



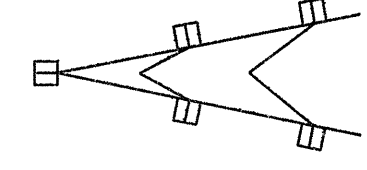
4" or 8" White Edge Stripe with Type CL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)



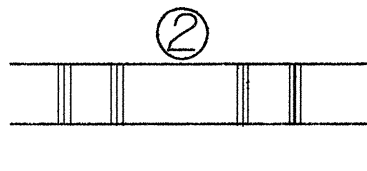
4" White or Yellow Guide Lines (Thermoplastic Extrusion)



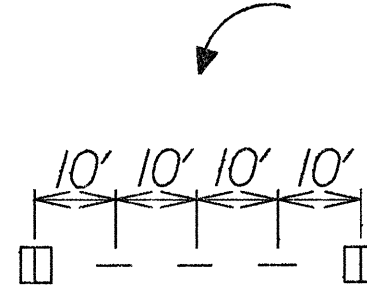
Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)



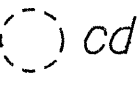
Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)



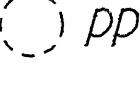
Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment. (Thermoplastic Extrusion)



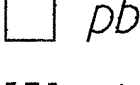
Pavement Arrow (Tape, Type I or Thermoplastic Extrusion)



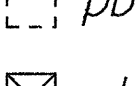
Existing Civil Defense Siren Pole to Remain



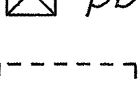
Existing Power Pole to Remain



New Type "B" Pullbox



Existing Type "B" Pullbox



New Type "A" Pullbox



Existing 8'x6' Loop Detector to Remain

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**PAVEMENT MARKING**  
**LEGEND, DETAILS & NOTES**  
HALEAKALA HIGHWAY  
RIGHT TURN LANE AT PUKALANI ST.  
Project No. 37C-01-91  
Date: October 1991  
SHEET No. 71 OF 2 SHEETS