## LEGEND Type C Raised Pavement Markers @ 40' o.c. —— 4 each Type J Raised Pavement Markers Type D Raised Pavement Markers @ 40' o.c. 8" White Stripe with Type C Raised Pavement Markers @ 20' o.c. (Tape, Type I or Thermoplastic Extrusion) 4" Double Solid Yellow with Type D Raised Pavement Markers @ 20' o.c. (Tape, Type I or Thermoplastic Extrusion) 4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20' o.c. (Tape, Type II or Thermoplastic Extrusion) 4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40' o.c. (Tape, Type II or Thermoplastic Extrusion) 4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20' 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' o.c. 4" White Stripe (Tape, Type I or Thermoplastic Extrusion) 4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40' o.c. (Tape, Type II or Thermoplastic Extrusion) ----- 4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion except for bus bays) 12" Yellow Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion) 12" Wide White Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion) Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion) Pavement Arrow (Tape, Type III or Thermoplastic Extrusion) Pavement Word (Tape, Type III or STOP Thermoplastic Extrusion)

-4 Each Type J Raised Pavement Markers

Type H Raised Pavement Markers (Reflective

4" Single Solid Yellow Stripe (Tape, Type I

Extension of Edge Line, 4" Wide x 2' Long

White Stripe @ 10' o.c. with Type C Raised

Reflector Marker (RM-2, White) with Post

Reflector Marker (RM-2, Yellow) with Post

Reflector Marker (RM-4, (L) or (R)) with Post

Reflector Marker (RM-3) with Post

Pavement Markers @ 40' o.c. (Tape, Type III

Type D Raised Pavement Markers @ 40' o.c.

Surface facing no-passing direction)

or Thermoplastic Extrusion)

or Thermoplastic Extrusion)

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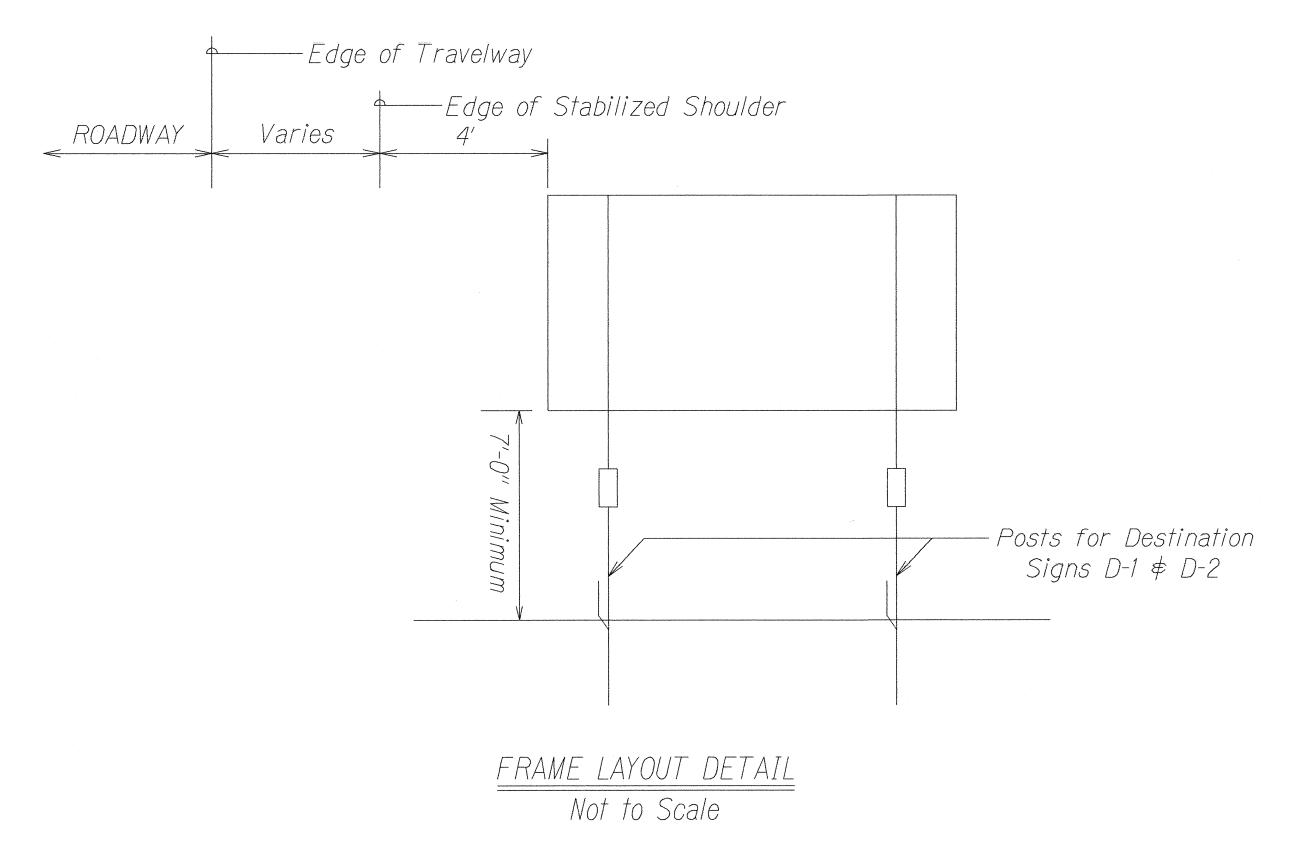
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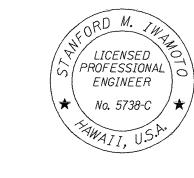
## NOTES

- 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 costs shall be 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 shall be 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's manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- 9. The Contractor shall erect advanced construction warning signs at the beginning and at the end of the project site. Construction warning signs shall be placed as indicated on the plans or as directed by the Engineer. The signs shall be kept in place for the duration of the 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 645T-Traffic Control. The advanced 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 Kauai District Baseyard or as directed by the Engineer of the project.
- 10. 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.
- 11. Backing for all new regulatory and warning signs shall not be spliced.
- 12. 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"

- FISCAL SHEET TOTAL YEAR NO. SHEETS FED. ROAD DIST. NO. STATE PROJ. NO. SHEETS STP-051-1(20) 2000 HAW.
- 13. State Route Marker Symbols, borders, messages, arrows, symbols and shields shall shall conform to details shown on the plans and as specified in the MUTCD.
- 14. All new and relocated signs and markers installed on pipe posts, light standard or expressway sign posts are to be mounted with band brackets and steel braces.
- 15. Removal of existing delineators and posts, as directed by the Engineer or as shown on the plans, shall be considered incidental to the various signing items.
- 16. Removal and reinstalling existing street name signs on regulatory and warning sign post(s) shall not be paid for separately but shall be considered incidental to the various signing items.
- 17. Existing pavement markers and striping between Sta. 47+90 and Sta. 63+70 on Kapule Highway and between Sta. 53+77 and Sta. 57+60 on Ahukini Road shall be removed and re-striped as defined in the Pavement Marking and Striping Plan.







THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION



STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION** 

PAVEMENT MARKING LEGEND,

NOTES, AND FRAME LAYOUT DETAIL

KAPULE HIGHWAY, INTERSECTION IMPROVEMENTS AT AHUKINI ROAD

OF

Federal Aid Project No. STP-051-1(20)

Date: July, 1999

Scale: None

SHEETS

SHEET No.