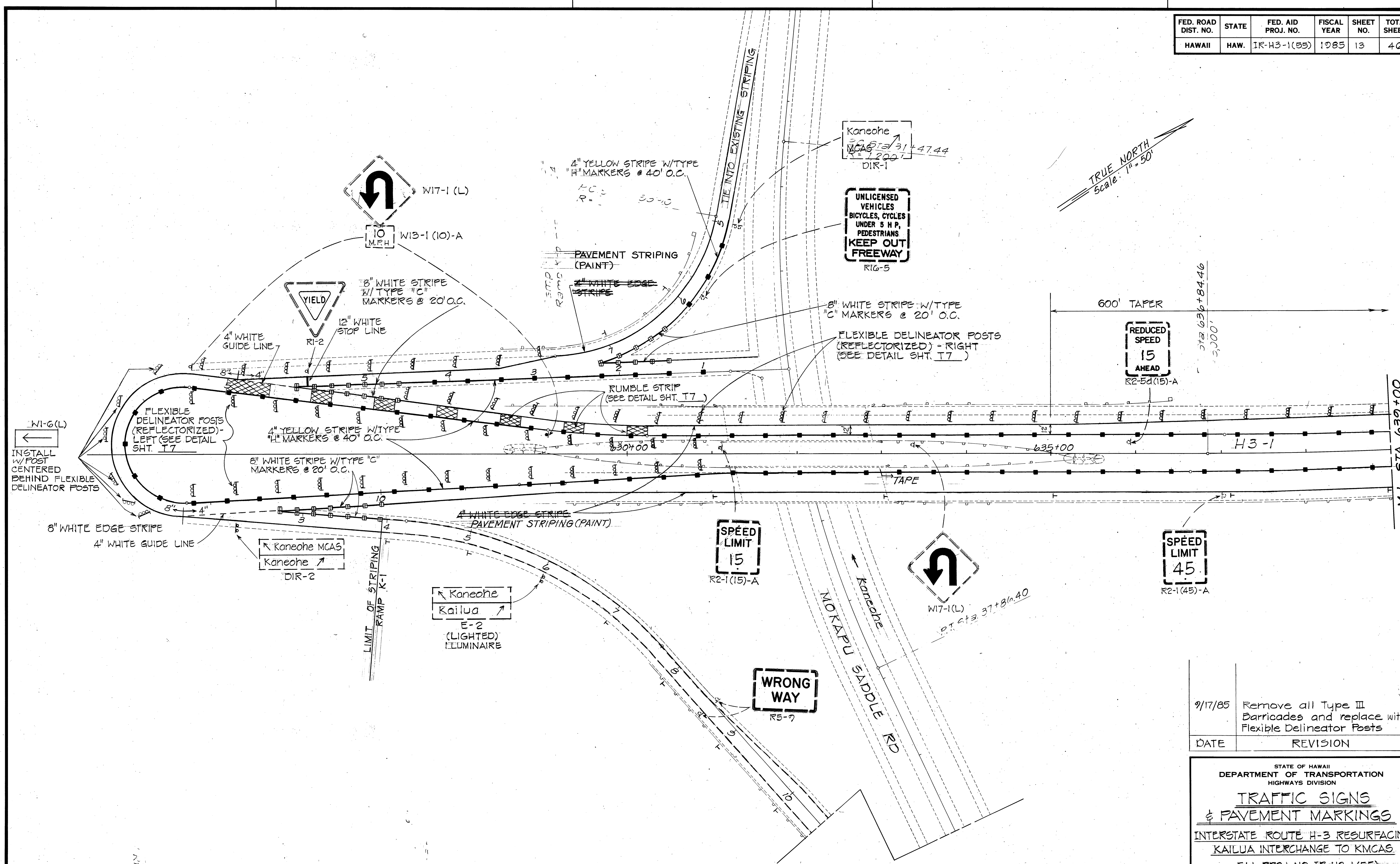


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IR-H3-1(55)        | 1985        | 13        | 46           |



|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| DESIGNED BY       |  |
| QUANTITIES BY     |  |
| CHECKED BY        |  |
| ORIGINAL PLAN     |  |
| NOTE BOOK         |  |
| No.               |  |

|         |                                                                           |
|---------|---------------------------------------------------------------------------|
| 9/17/85 | Remove all Type III Barricades and replace with Flexible Delineator Posts |
| DATE    | REVISION                                                                  |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNS  
& PAVEMENT MARKINGS**

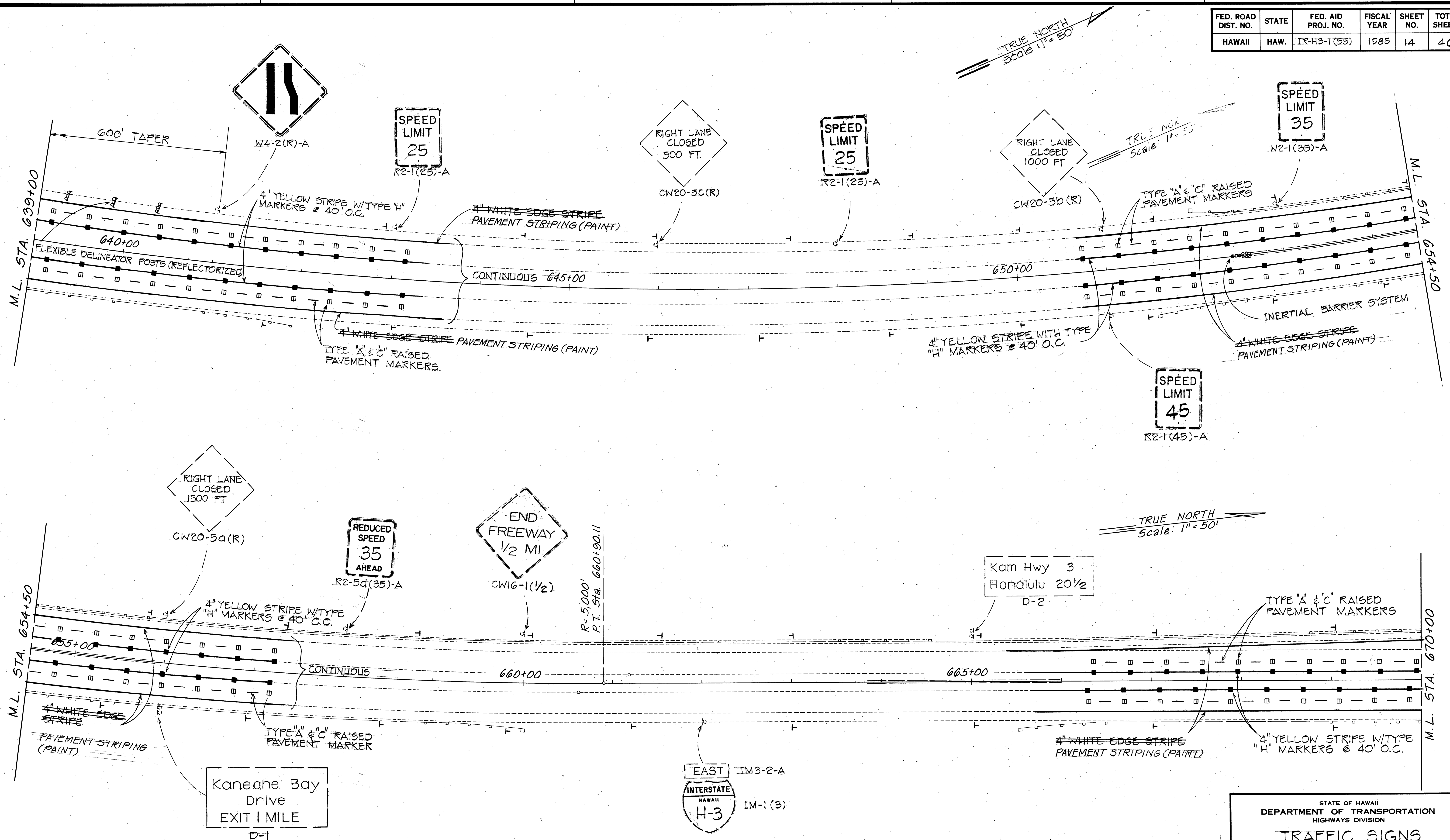
INTERSTATE ROUTE H-3 RESURFACING  
KAILUA INTERCHANGE TO KMCAS

F.A.I. PROJ. NO. IR-H3-1(55)  
Scale: 1"=50' Date: APR. 1985

SHEET No. 13 OF 17 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IR-H3-1 (55)       | 1985        | 14        | 46           |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |

|         |                                                                         |
|---------|-------------------------------------------------------------------------|
| 9/17/85 | Remove all Type III Barriers and replace with Flexible Delineator Posts |
| DATE    | REVISION                                                                |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNS  
& PAVEMENT MARKINGS**

INTERSTATE ROUTE H-3 RESURFACING  
KAILUA INTERCHANGE TO KMCAS

FAL PROJ. NO. IR-H3-1 (55)  
Scale: 1" = 50' Date: APR. 1985

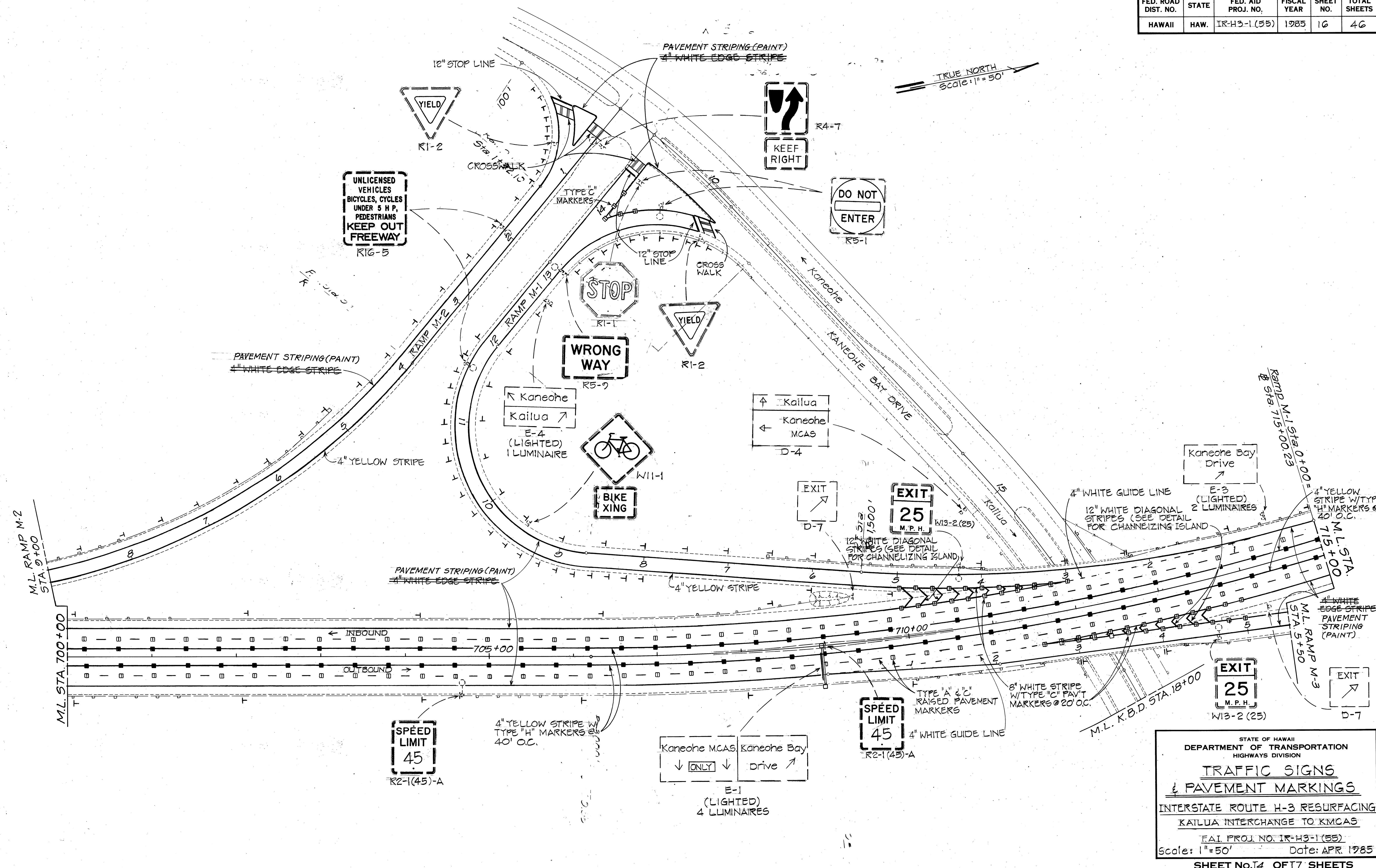
SHEET No. 12 OF 17 SHEETS







| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IR-H3-1(55)        | 1985        | 16        | 46           |



|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| DRAWN BY          |  |
| TRACED BY         |  |
| CHECKED BY        |  |
| NO.               |  |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNS  
& PAVEMENT MARKINGS**

INTERSTATE ROUTE H-3 RESURFACING  
KAILUA INTERCHANGE TO KMCAS

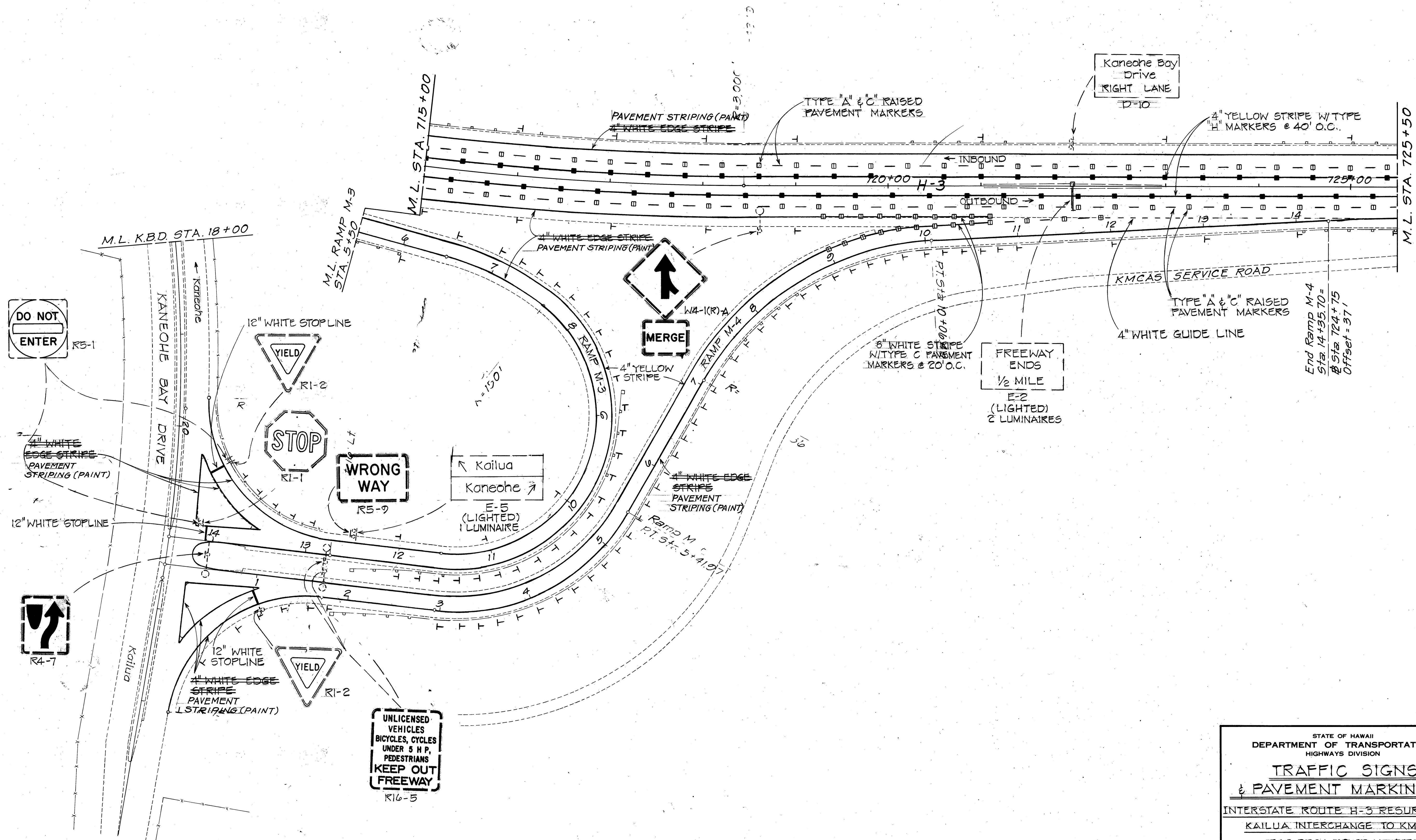
F.A.I. PROJ. NO. IR-H3-1(55)  
Scale: 1"=50' Date: APR. 1985

SHEET No. 14 OF 17 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IR-H3-1(55)        | 1985        | 17        | 46           |

TRUE NORTH  
Scale: 1"=50'



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNS  
& PAVEMENT MARKINGS**

INTERSTATE ROUTE H-3 RESURFACING  
KAILUA INTERCHANGE TO KMCAS

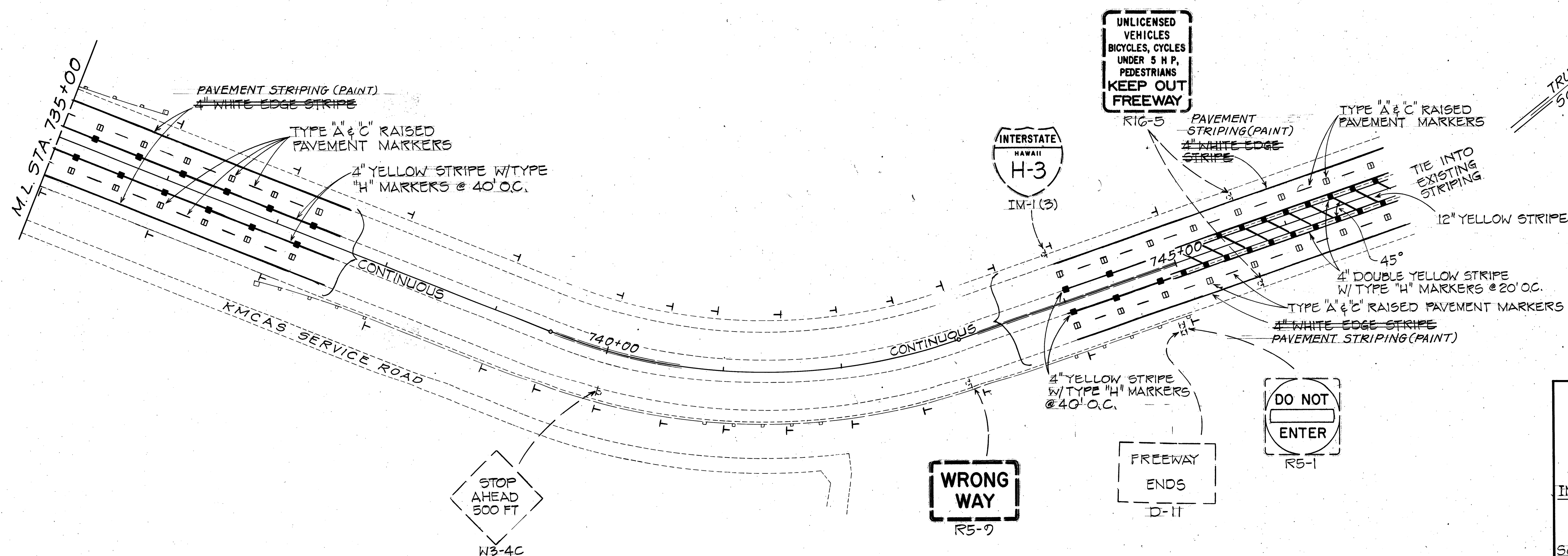
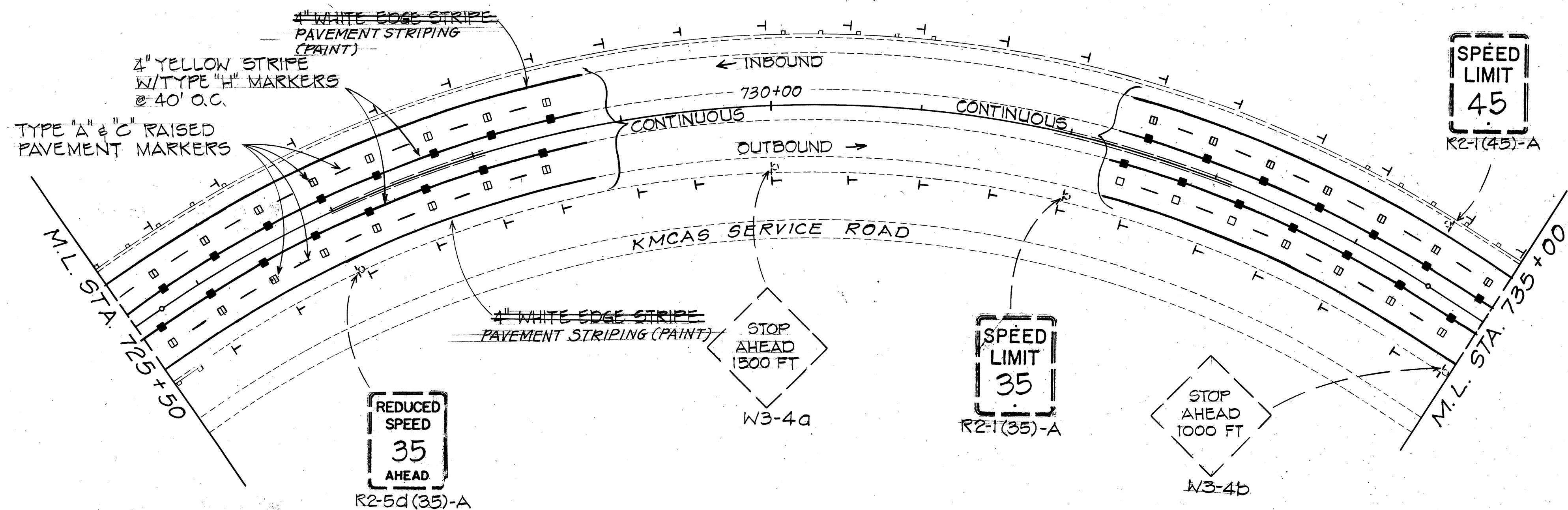
FAI PROJ. NO. IR-H3-1(55)  
Scale: 1"=50' Date: APR. 1985

SHEET No. 15 OF 17 SHEETS

|             |      |
|-------------|------|
| ORIGINAL    | DATE |
| PLAN        |      |
| DESIGNED BY |      |
| NOTED BY    |      |
| CHECKED BY  |      |
| NO.         |      |



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | IR-H3-1 (55)       | 1985        | 18        | 46           |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNS  
& PAVEMENT MARKINGS**

INTERSTATE ROUTE H-3 RESURFACING  
KAILUA INTERCHANGE TO KMCAS

F.A.I. PROJ. NO. IR-H3-1 (55)  
Scale: 1" = 50' Date: APR. 1985

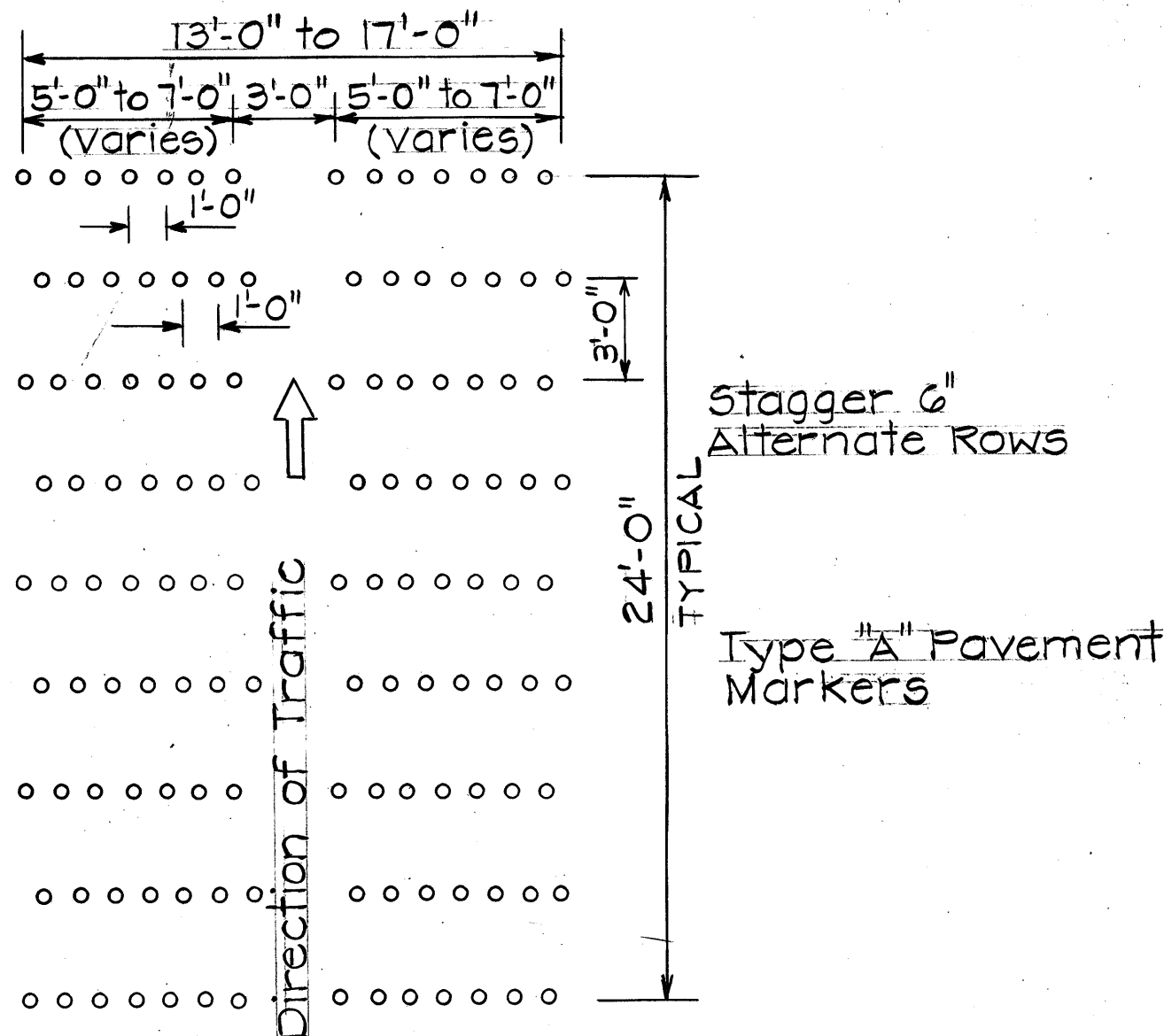
SHEET No. 16 OF 17 SHEETS



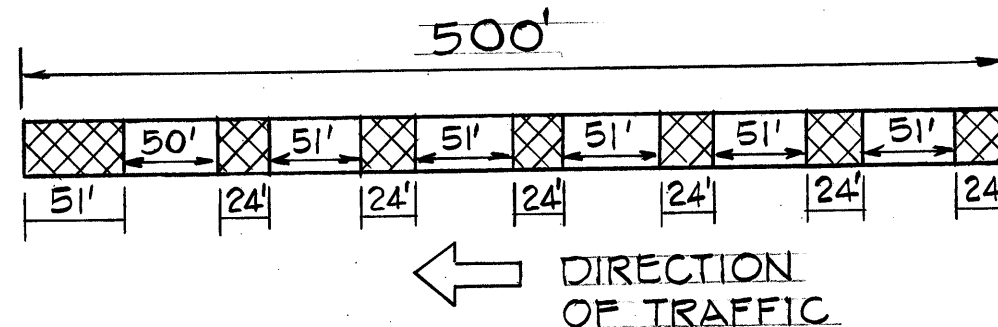
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | IR-H3-1(55)           | 1985           | 19           | 46              |

## GENERAL NOTES

1. Remove and replace all existing regulatory and warning signs at location shown on plans or as directed by the Engineer.
2. Existing pavement markers, striping and markings not incorporated into the final traffic pattern shall be removed as directed by the Engineer.
3. The scope of work for this project consists of refurbishing and revising existing destination sign panels with overlay panels.
4. All overlay panels shall conform to Section 621 of the 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."
5. Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
6. Sign messages shall be as indicated on the plan.
7. Sign refurbishing shall consist of removing all existing borders, messages, arrows, symbols and shield from the existing sign panel and otherwise clean the existing sign panel prior to installing the background overlay. Overlay panels shall be installed onto the existing sign panels with  $\frac{1}{8}$ " blind rivets with a maximum spacing of 1'-0" O.C. New borders, messages, arrows, symbols and shields shall be installed after the background overlay has been properly installed, with blind rivets in accordance with the manufacturer's instructions.
8. Detail layout of existing sign plans shall be in accordance with existing "As Built" drawings which are available for inspection at the Traffic Engineering Section, Highways Division, Department of Transportation, 869 Punchbowl Street Room 203.
9. Exit Number panels shall be considered as part of the existing sign panel.
10. All Panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of Panels shall be 2 ft. Abutting edges of panels shall be in only one direction; if vertical abutting edges shall be allowed and vice versa.
11. Replace all RM-1 and RM-2 with posts.
12. The contractor shall verify the total number of sign lighting luminaires to be replaced prior to the start of construction or as otherwise approved.
13. "As-built" plans for Destination and Expressway Signs with lighting luminaires are available from the Traffic Engineering Section, Highways Division, Department of Transportation located at 869 Punchbowl Street, Room 203.



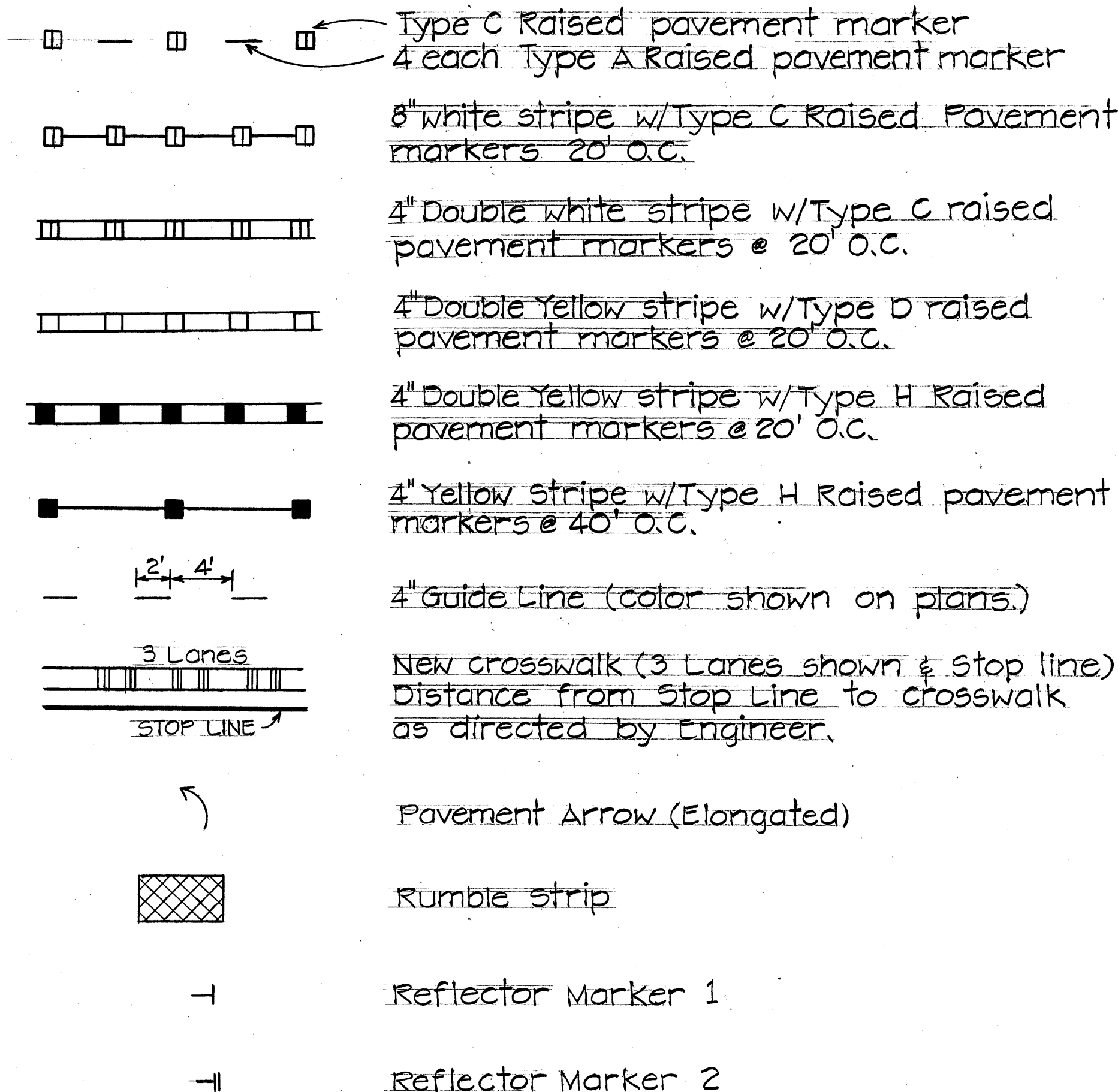
TYPICAL RUMBLE STRIP DETAIL



## RUMBLE STRIP LAYOUT

Not to Scale

## LEGEND



|         |                                                |
|---------|------------------------------------------------|
| 9/17/85 | Revised Flexible Delineator Post Configuration |
| DATE    | REVISION                                       |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

INTERSTATE ROUTE 4-3 RESURFACING  
KAILUA INTERCHANGE TO KMCAS  
FAI PROJ. NO. IR-H3-1(35)

Scale: 1" = 50' Date: APR. 1985

**SHEET NO. 17 OF 17 SHEETS**

|               |                         |            |
|---------------|-------------------------|------------|
| ORIGINAL PLAN | SURVEY PLOTTED BY _____ | DATE _____ |
| NOTE BOOK     | DRAWN BY _____          | " "        |
|               | TRACED BY _____         | " "        |
|               | DESIGNED BY _____       | " "        |
|               | QUANTITIES BY _____     | " "        |
| No. _____     | CHECKED BY _____        | _____      |