

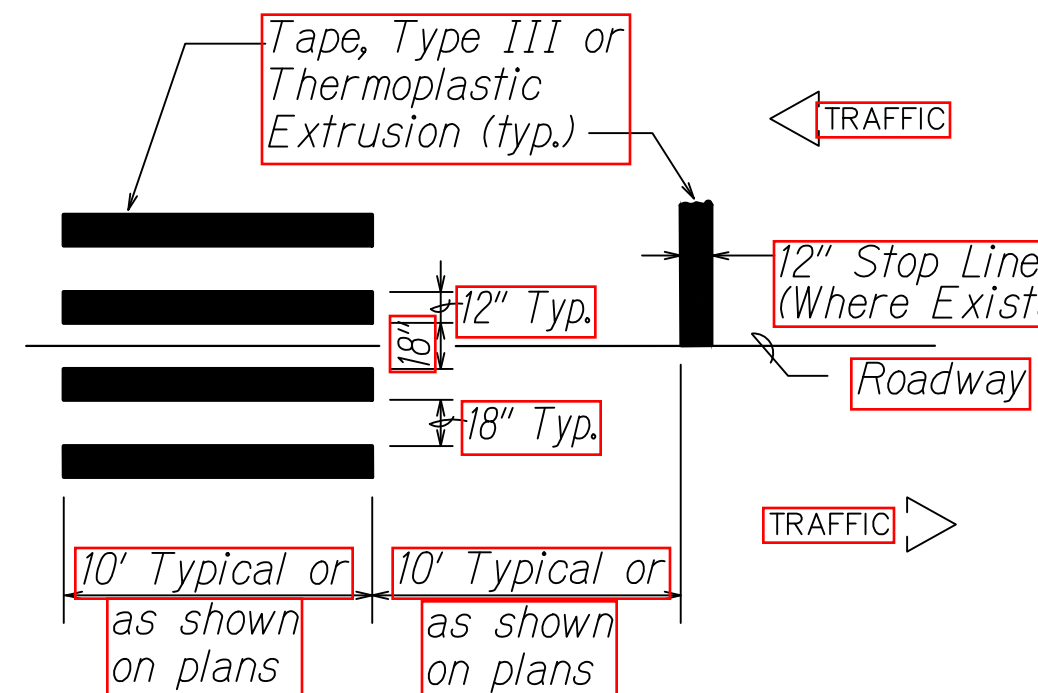
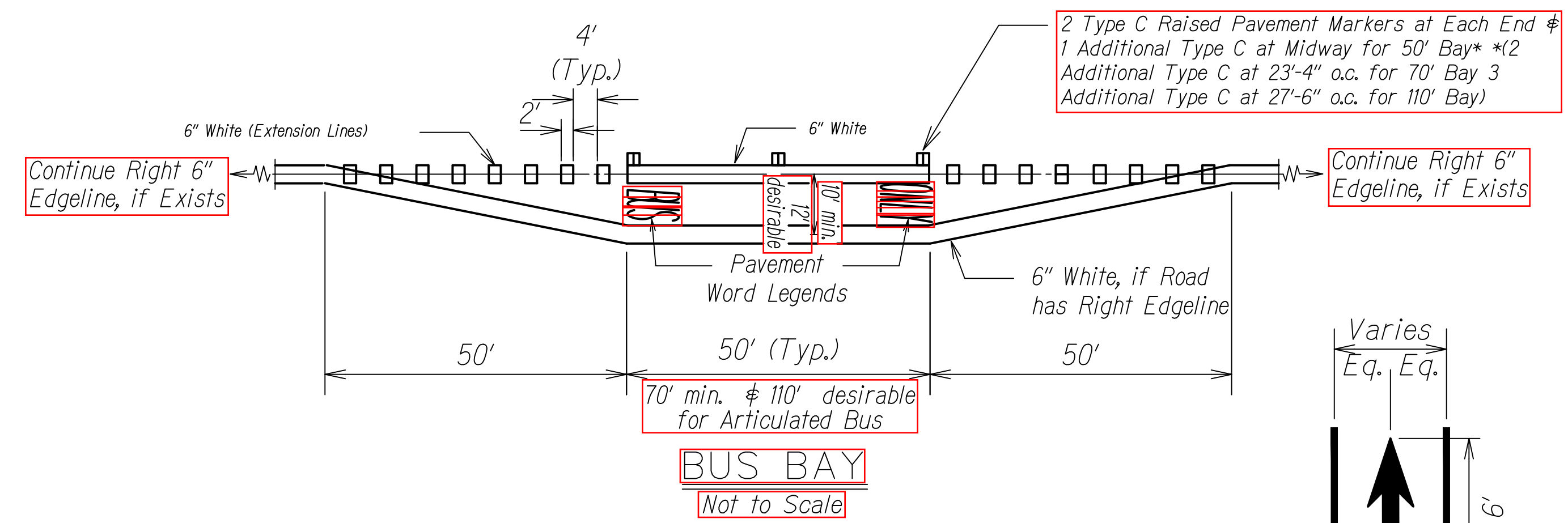
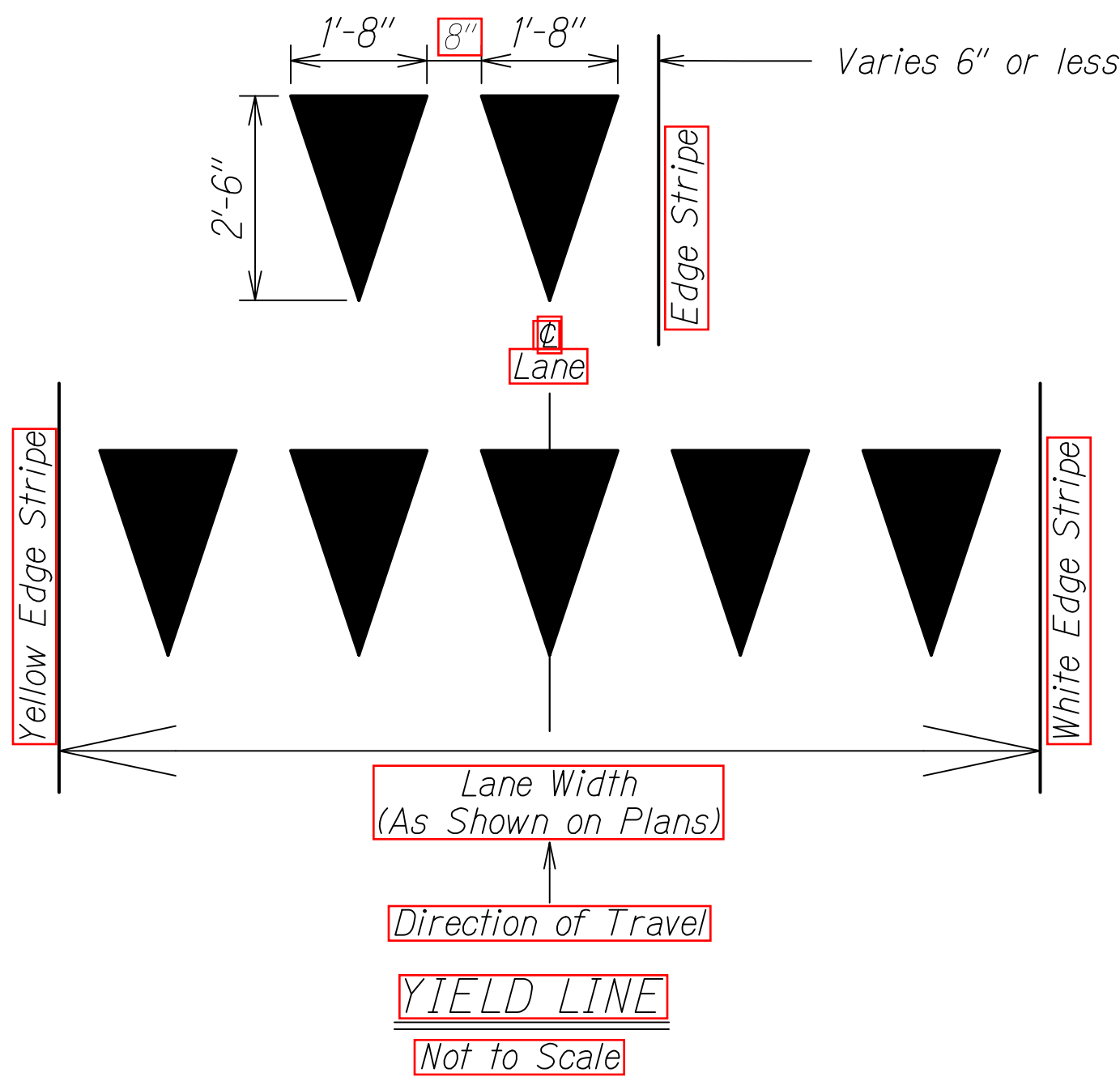
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	51AB-01-23	2025	21	28

LEGEND

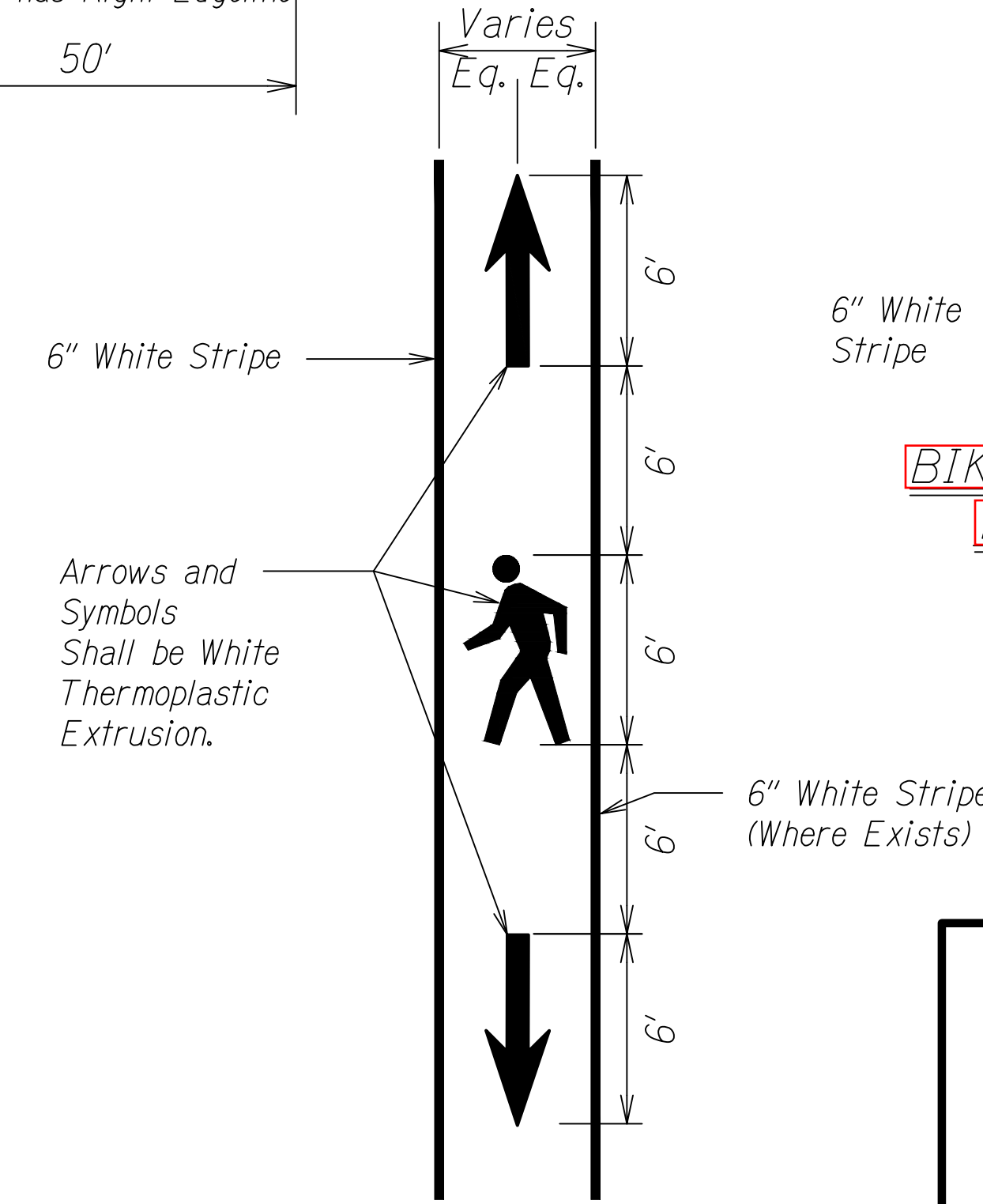
- 10' White Profiled Thermoplastic Stripe
- Type C Raised Pavement Markers @ 40'-0" o.c.
- 10' Yellow Profiled Thermoplastic Stripe
- Type D Raised Pavement Markers @ 40'-0" o.c.
- 8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
- 4" Double Solid Yellow Stripes with Type D Raised Pavement Markers On Both Outside Edges Of 4" Yellow Stripe @ 10'-0" o.c. (Tape, Type I Or Thermoplastic Extrusion)
- 4" Double Solid Yellow Stripes with Type H Raised Pavement Markers On Both Outside Edges Of 4" Yellow Stripe @ 10'-0" o.c. (Tape, Type II Or Thermoplastic Extrusion)
- 6" Yellow Edge Stripe with Type H Raised Pavement Markers @ 10'-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
- 10' White Profiled Thermoplastic Stripe
- Type C Raised Pavement Markers @ 20'-0" o.c.
- 4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
- 6" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" White Guide Line (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)
- STOP
- Pavement Word (Tape, Type III or Thermoplastic Extrusion)
- 10' Yellow Profiled Thermoplastic Stripe @ 40'-0" o.c.
- Type D Raised Pavement Markers on Outside Edge and Midway Between Yellow Profiled Thermoplastic Stripe @ 40'-0" o.c. (Passing Direction)
- Type D Raised Pavement Markers on Outside Edge of 4" Single Solid Yellow Stripe @ 10'-0" o.c. (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)

NOTES

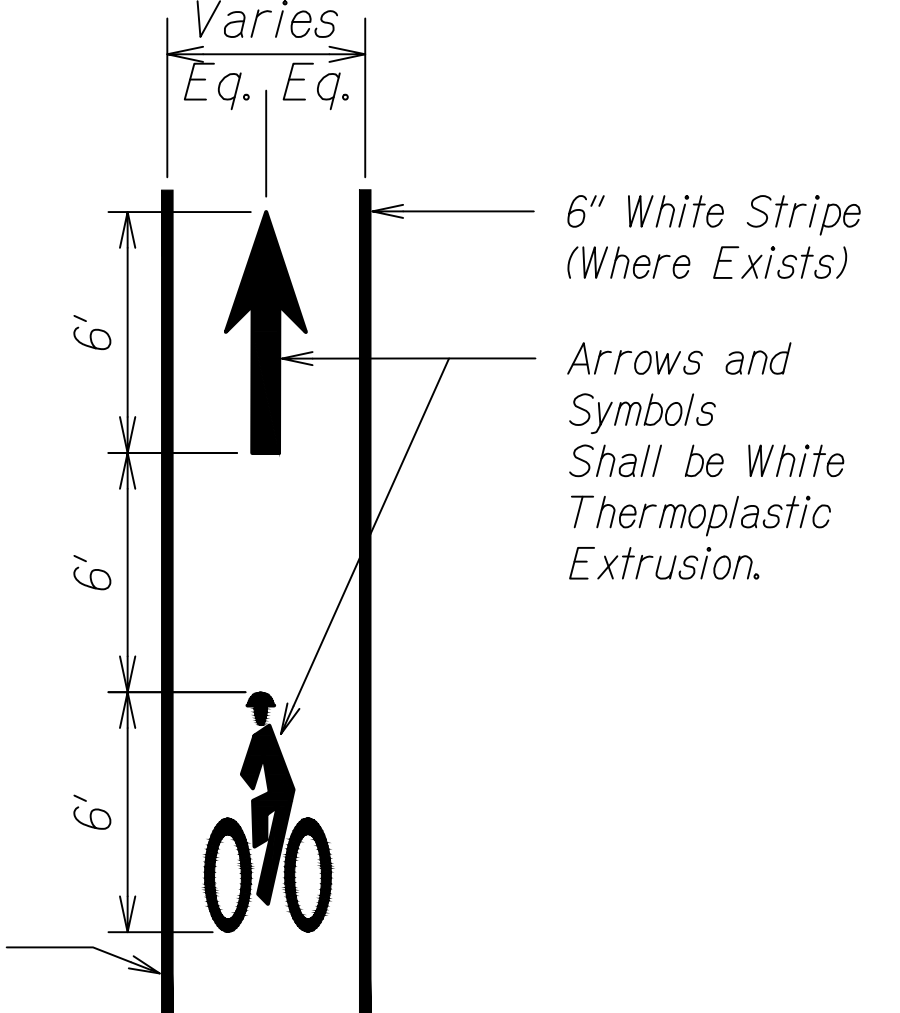
- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- 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.
- All pedestrian warning signs with supplemental sign shall be on a fluorescent yellow-green retroreflective background with a black legend or border.



CROSSWALK STRIPING DETAIL  
Not to Scale



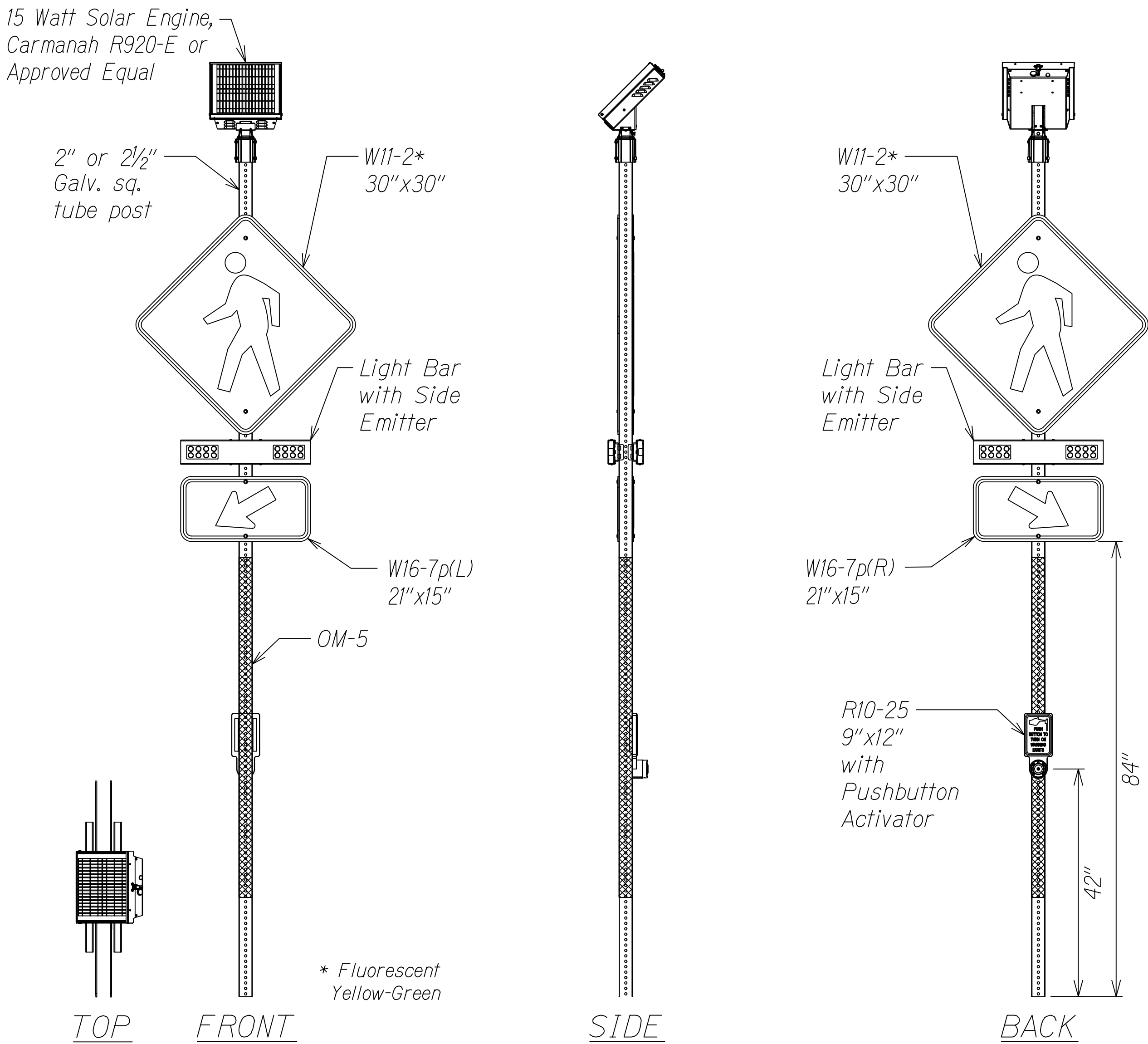
PED LANE PAVEMENT MARKING DETAIL  
Not to Scale



BIKE LANE PAVEMENT MARKING DETAIL  
Not to Scale

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
PAVEMENT MARKING LEGEND  
DETAILS & NOTES  
RICE STREET IMPROVEMENTS  
Nawiliwili Bridge to  
Kauai Veterans Memorial Highway  
Project No. 51AB-01-23  
Date: Sept. 2024  
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	51AB-01-23	2025	22	28



- NOTES:
- The locations of the New Traffic Signal Standards with Rectangular Rapid Flashing Beacons (RRFB) and Pedestrian Push Buttons 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.
  - RRFB System shall conform to the requirements of the 2009 Edition of the "Manual on Uniform Traffic Control Devices", Federal Highway Administration. The System shall conform to all provisions of the MUTCD, Interim Approval 1A-21.
  - RRFB System shall be solar-powered with Spread Spectrum Wireless Communication. Solar Engine shall be sized with minimal dimensions to provide sufficient power output to operate the RRFB System.
  - Each Push Buttons shall be installed with an instruction sign R10-25 (9" 12") that reads, "Push Button To Turn On Warning Lights".
  - RRFB Controller Equipment shall be completely self-contained with no connection to external power necessary.
  - The W16-7P Plaque and the Rapid-Flash Led enclosure shall not extend more than 4" horizontally over any pedestrian facility.
  - Contractor shall install signs and posts and Rectangular Rapid Flash Beacon and Push Button, per the Manufacturer's Specifications.
  - Contractor shall submit Product Data for review and approval by the Engineer prior to purchasing and installation.
  - The RRFB installation shall comply with the Technical Conditions as provided in the FHWA Technical Memorandum regarding the Interim Approval for Optional Use of Rectangular Rapid Flash Beacon.
  - Each crossing where there is no median shall have a minimum of two poles each with push button detection. Each pole shall have Signs and Beacons facing both sides (Double sided). At locations with a median, provide two poles with single-sided Sign and Beacon and provide a third pole in the median with double-sided Signs and Beacon.
  - W11-2 Warning Signs and supplemental Plaques W16-7P shall have a fluorescent yellow-green background with a black legend border. The mixing of standard yellow and fluorescent yellow-green backgrounds is not allowed.
  - Contractor shall provide an On-Board User Interface (OBU1) to locally troubleshoot or reprogram the RRFB System.
  - All existing RRFB Assemblies to be replaced shall be returned to the State.
  - Furnishing and installation of Solar Panel, Square Tube Post, Traffic Signs, RRFB, ADA compliant push button, and other hardware shall be considered incidental to item No. 631.0500 - RRFB Assembly, and will not be paid separately.
  - RRFB system shall be "Camara R920-E" or approved equal.

RAPID RECTANGULAR-FLASHING  
BEACON (RRFB) DETAIL  
*Not to Scale*

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
DATE	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

PAVEMENT MARKING LEGEND  
DETAILS & NOTES  
RICE STREET IMPROVEMENTS  
Nawiliwili Bridge to  
Kauai Veterans Memorial Highway  
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SHEET No. 2 OF 2 SHEETS