

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-00	2002	7	21

**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 (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)
- Pavement Word (Tape, Type III or Thermoplastic Extrusion)
- 4 Each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" o.c.  
Type H 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. (Tape, Type III or Thermoplastic Extrusion)

**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 and striping not incorporated in the final traffic pattern shall be removed as directed by the Engineer. The removal of the existing pavement markings shall not be paid for separately but shall be considered 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 or directed by the Engineer shall not be paid for and shall be considered 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 manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. Removal of Existing Delineators and Posts as directed by the Engineer shall be considered incidental to the various signing items.
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 new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
13. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer for the duration of the highway 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 645-Traffic Control. The advance 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 Oahu District Baseyard or as directed by the Engineer at the end of the project.
14. The Contractor shall notify the Oahu Transit Services Inc. (OTS), Ed Sniffen, at 848-4571 or Lowell Tom at 848-4578 two weeks prior to beginning any work, informing them of location, scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stop.

DATE	12/15/01
SURVEY PLOTTED BY	J. Howells
DRAWN BY	J. Howells
DESIGNED BY	R. Alana
QUANTITIES BY	T. Lyons
CHECKED BY	N. Humbley
ORIGINAL PLAN	
NOTE BOOK	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

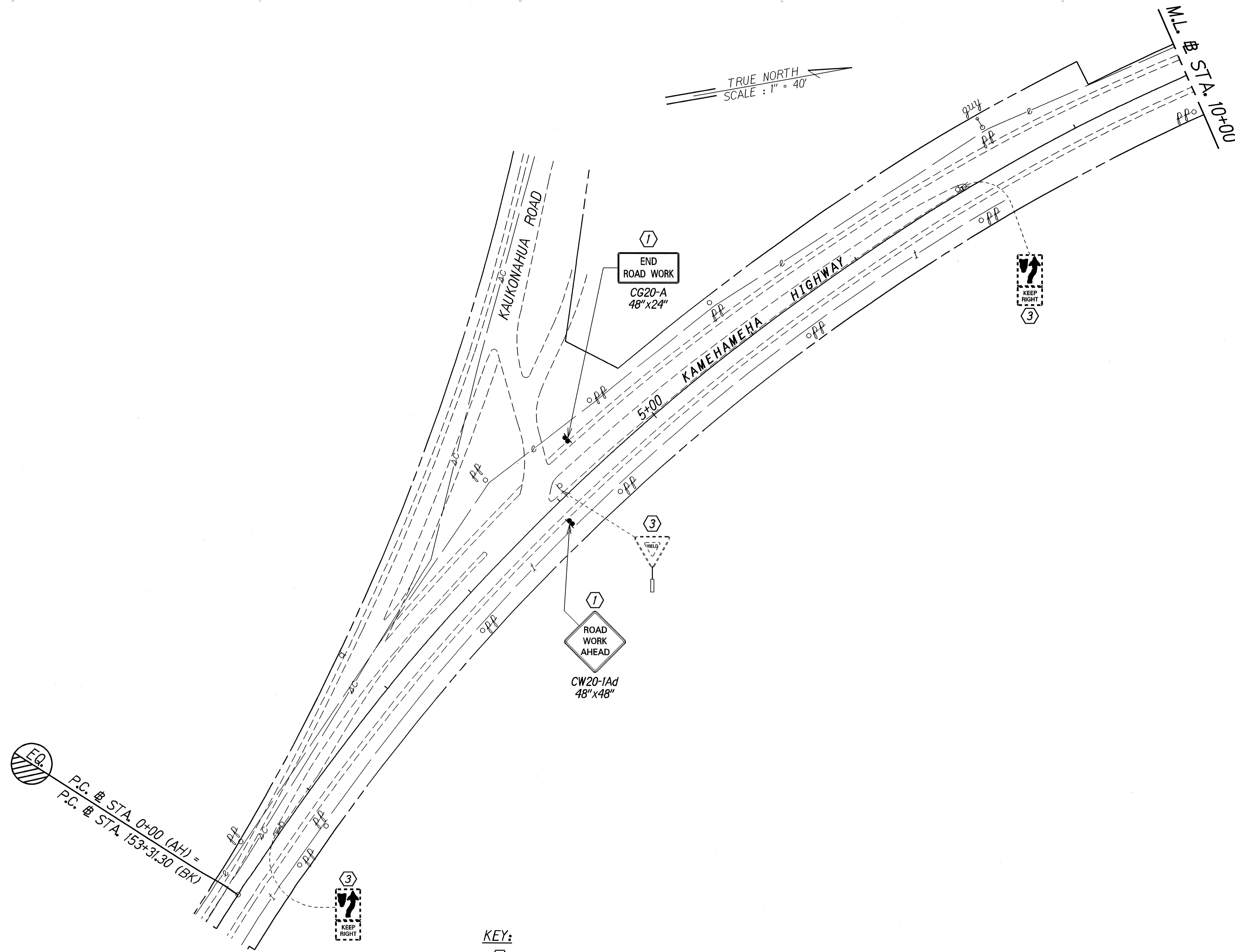
**PAVEMENT MARKING  
LEGEND, DETAILS & NOTES**

KAMEHAMEHA HIGHWAY  
Intersection Improvements at  
Kamananui Road  
Project No. 99C-01-00

Scale: As Noted      Date: Oct. 2001

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-00	2002	8	21



SURVEY PLOTTED BY	DATE
DRAWN BY	2/2/2001
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	
NO.	

EQ  
 P.C. # STA. 0+00 (AH) =  
 P.C. # STA. 153+31.30 (BK)

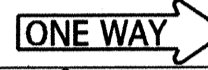
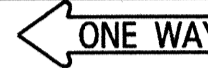


- KEY:**
- ① Install New Sign(s) w/Post(s)
  - ② Remove Exist. Sign(s) & Post(s)
  - ③ Exist. Sign(s) & Post(s) to Remain

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
**KAMEHAMEHA HIGHWAY**  
**Intersection Improvements at**  
**Kamananui Road**  
**Project No. 99C-01-00**  
 Scale: 1" = 40' Date: Oct. 2001  
 SHEET No. 2 OF 4 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65A-01-00	2002	10	21

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION 12-INCH PAVEMENT STRIPE (WHITE)	40 L.F.

TRAFFIC SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POSTS	W/O POSTS	W/POSTS	W/O POSTS
R6-1(R)		1	1	-	-
R6-1(L)		1	1	-	-
W3-3		4	-	-	-
W16-7a		-	1	-	-
<b>TOTAL</b>		<b>6</b>	<b>3</b>	<b>-</b>	<b>-</b>

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POSTS	W/O POSTS
CW20-1Ad	@ Sta. 3+90± Rt.	ROAD WORK AHEAD	1	-
CG20-2A	@ Sta. 4+20± Lt.	END ROAD WORK	1	-
CW20-1Ad	@ Sta. 25+05± Lt.	ROAD WORK AHEAD	1	-
CG20-2A	@ Sta. 25+05± Rt.	END ROAD WORK	1	-
CW20-1Ad	Kamalanui Road @ Sta. 75+50± Rt.	ROAD WORK AHEAD	1	-
CG20-2A	Kamalanui Road @ Sta. 75+50± Lt.	END ROAD WORK	1	-
<b>TOTAL</b>			<b>6</b>	<b>-</b>

SURVEY PLOTTED BY \_\_\_\_\_ DATE 10/15/01  
 DRAWN BY J. Powell  
 TRACED BY \_\_\_\_\_  
 NOTE BOOK Edlyne  
 QUANTITIES BY \_\_\_\_\_  
 CHECKED BY N. Tomlinson

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**TRAFFIC SUMMARY**  
 KAMEHAMEHA HIGHWAY  
 Intersection Improvements at  
 Kamalanui Road  
 Project No. 99C-01-00  
 Date: Oct. 2001