

LEGEND

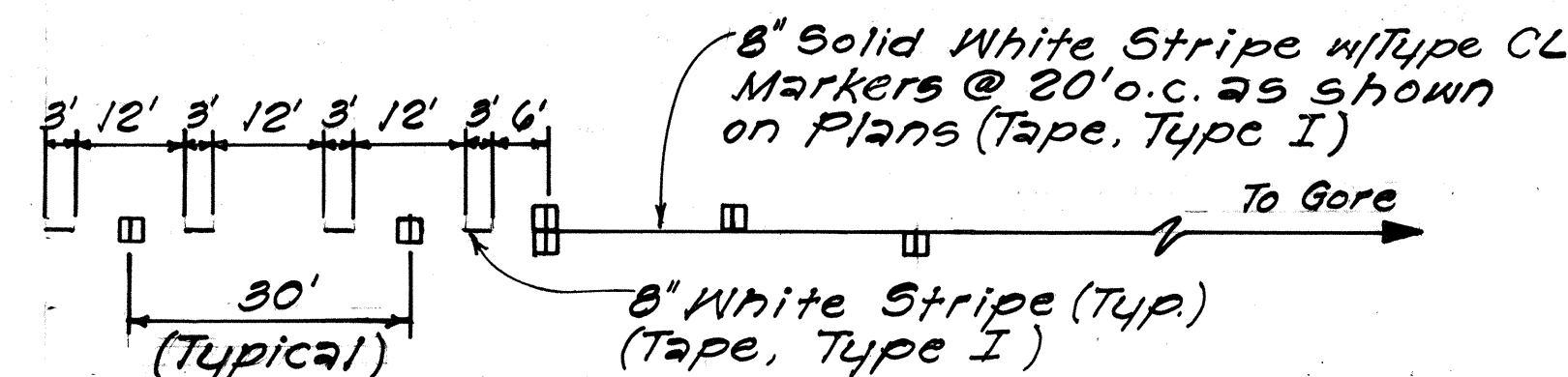
- 4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 40'-0" o.c.
- 4 each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
- 8" White Stripe with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I)
- 4" Double Solid Yellow Stripes with Type DL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I)
- 4" Double Solid Yellow Stripes with Type HL Raised Pavement Markers @ 20'-0" o.c.
- 4" or 8" Yellow Edge Stripe with Type HL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" Double Solid White Stripes with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I)
- Lane Change Restriction Marking
- 4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 20'-0" o.c.
4" Solid White Stripe (Tape, Type I)
- 4" or 8" Edge Stripe (Tape, Type II or Thermoplastic Extrusion)
- 4" White Guide Lines (Thermoplastic Extrusion) or as shown
- Transverse Median Marking (Tape, Type I)
- 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. (Thermoplastic Extrusion)
- Pavement Arrow (Tape, Type I)
- STOP Pavement Word (Tape, Type I)
- 12" White Stop Line (Thermoplastic Extrusion)

- 4 each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
Type HL Raised Pavement Markers (Reflective Surface facing no-passing direction)
4" Single Solid Yellow Strip (Tape, Type I)
- Extension of Edge Line, 4" Wide x 2'-0" Long
White Stripe @ 10'-0" o.c. w/Type CL Markers @ 40'-0" o.c. (Thermoplastic Extrusion)

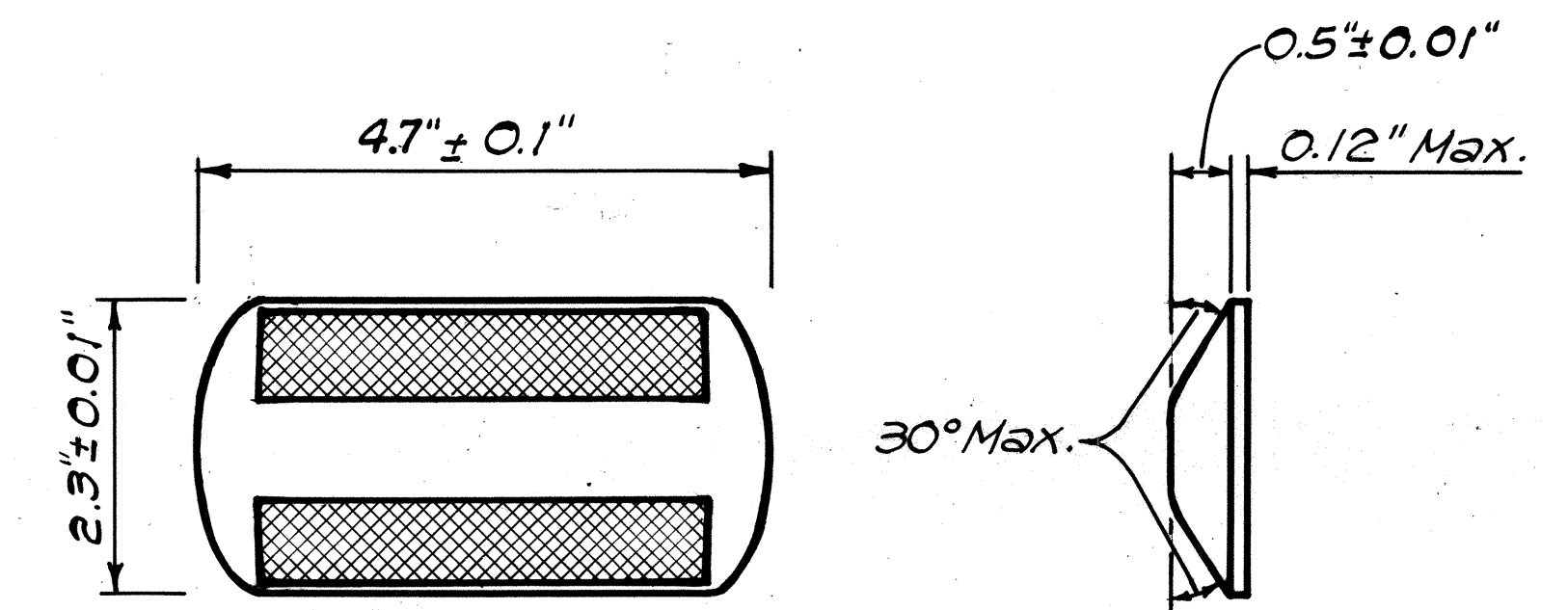
- RM-3 Reflector Marker on Metal Post
- RM-4 Reflector Marker on Metal Post
- RM-3 Reflector Marker on Flexible Delineator Post

NOTES

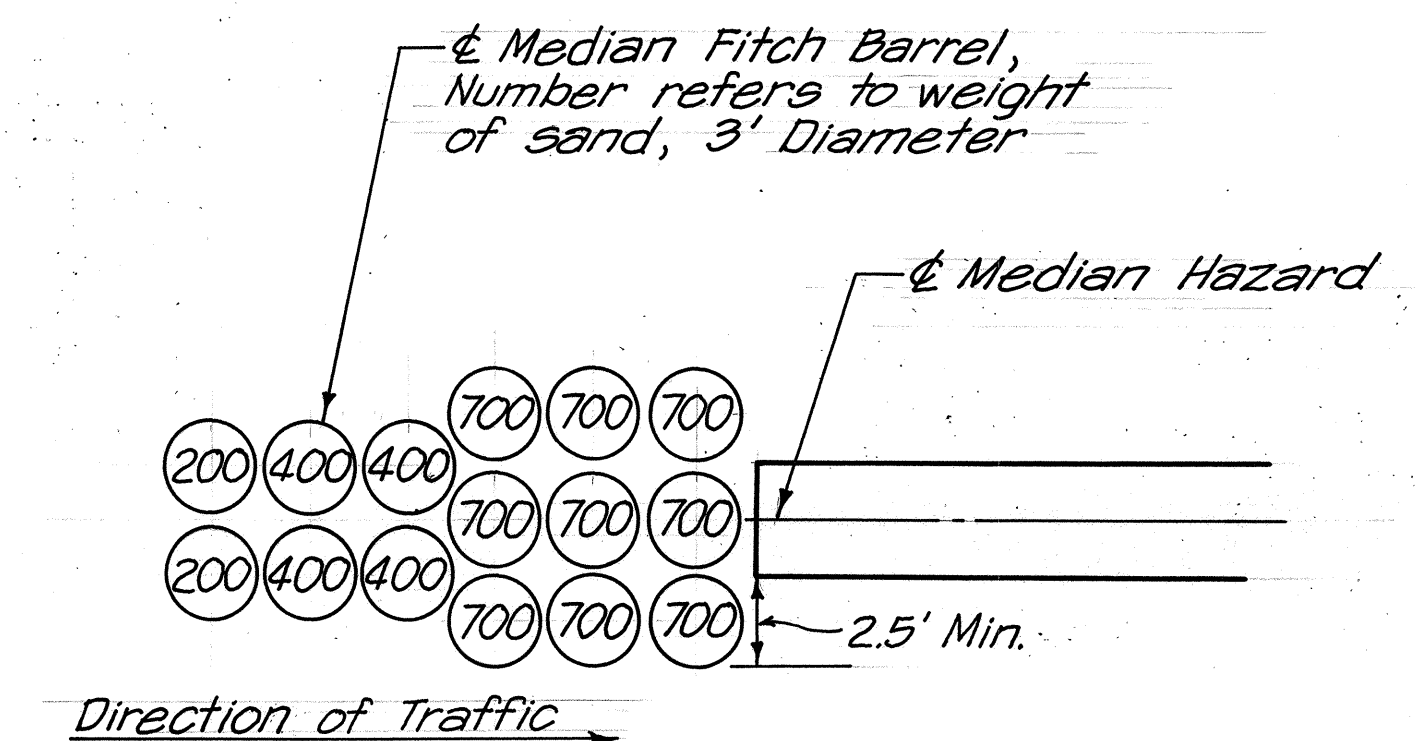
- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement 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.
- The Contractor shall install new object marker on all wooden poles without existing markers as directed by the Engineer (approx. 120 each).



DROP LANE MARKING
Not to Scale



TYPE CL
Red-Clear Reflective Marker
or
TYPE DL
Two-Way Yellow Reflective Marker
or
TYPE HL
One-Way Yellow Reflective Marker
Not to Scale



INERTIAL BARRIER
Not to Scale

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	14	27

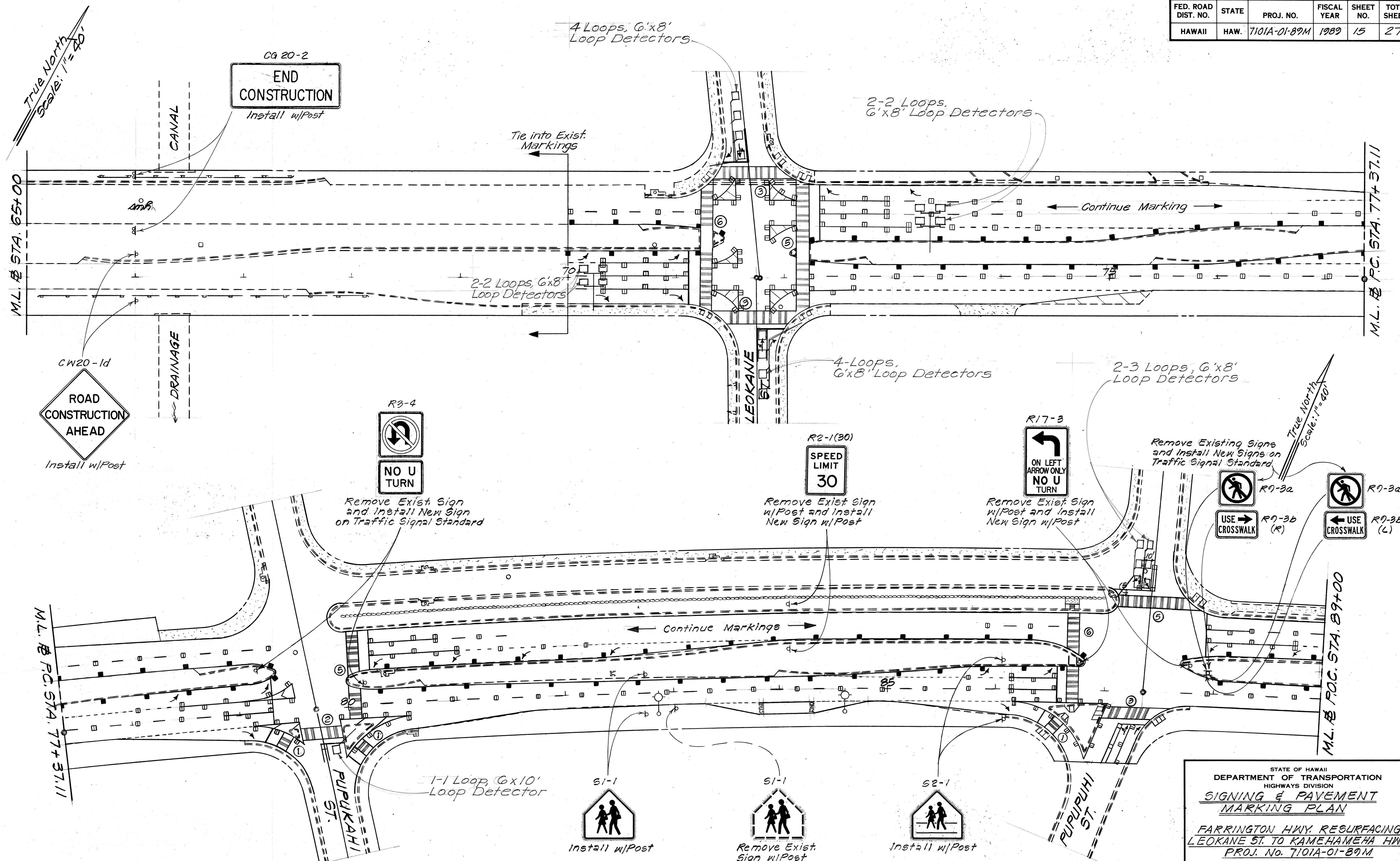
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC NOTES
LEGEND & DETAIL
FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M

Scale: 1" = 40' Date: Mar, 1989

SHEET No. 71 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	15	27

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

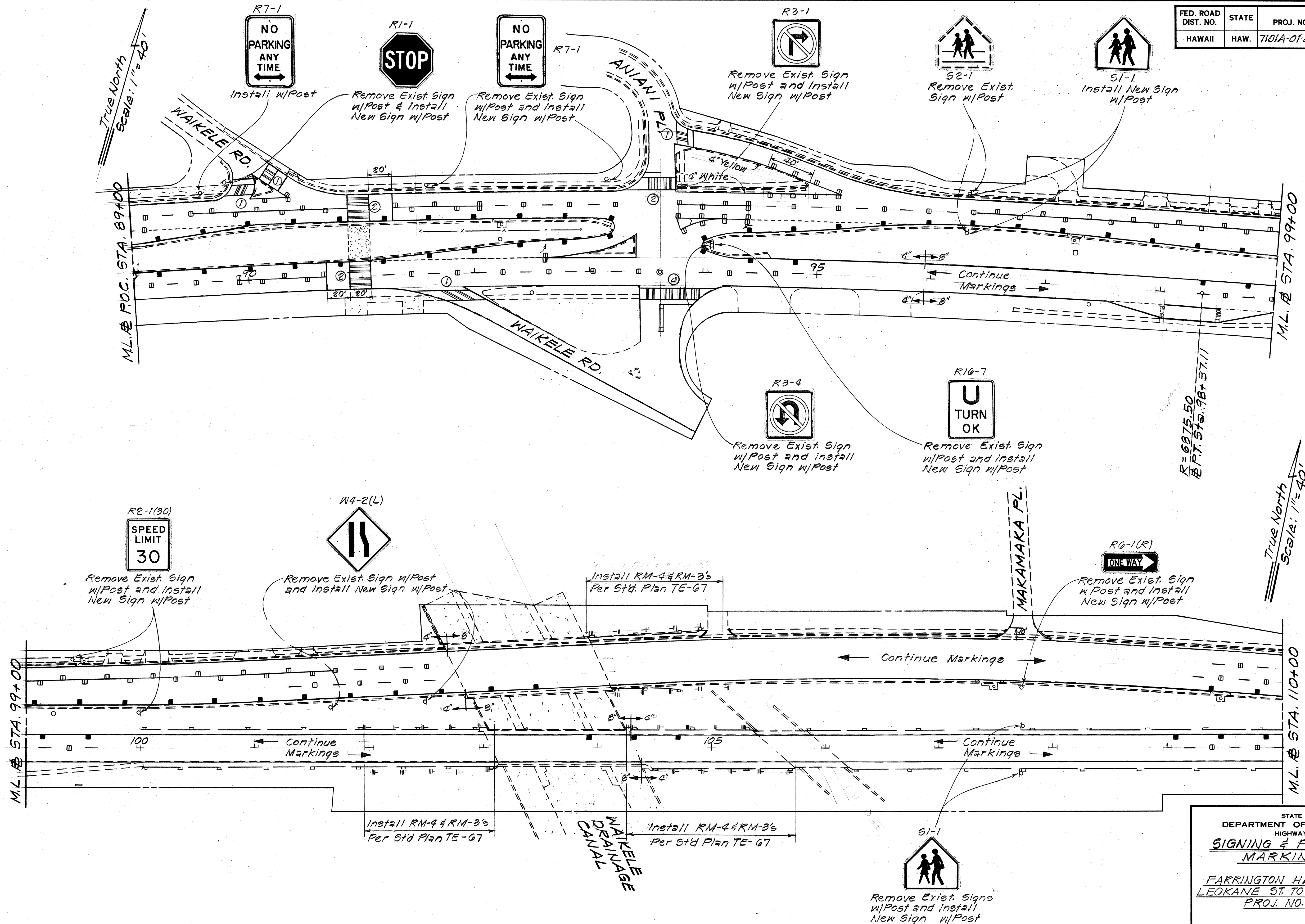
SIGNING & PAVEMENT MARKING PLAN

FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M

Scale: 1" = 40' Date: March, 1989

SHEET No. 15 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	16	27



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

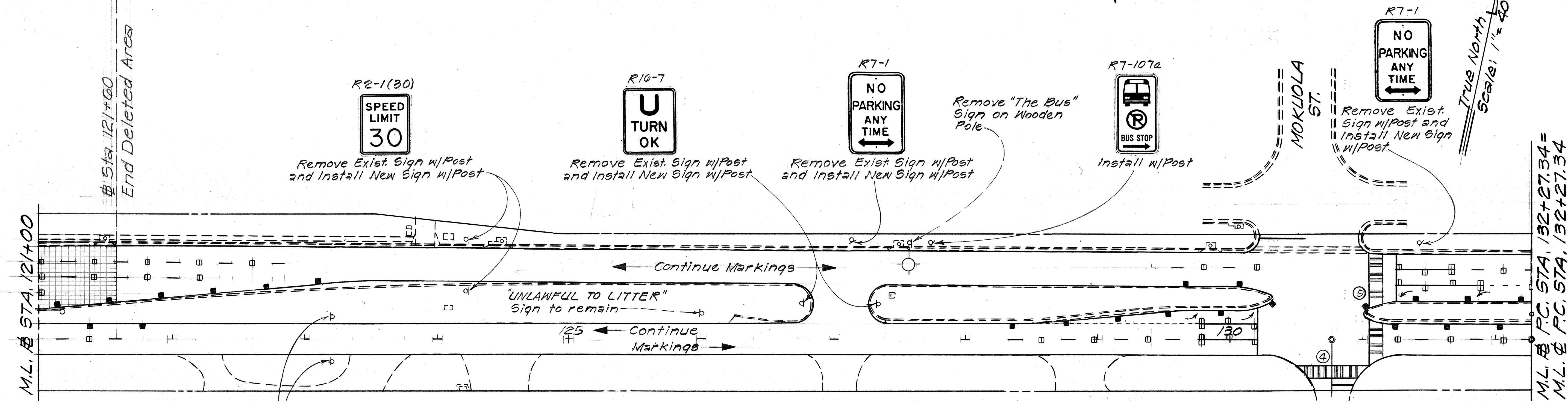
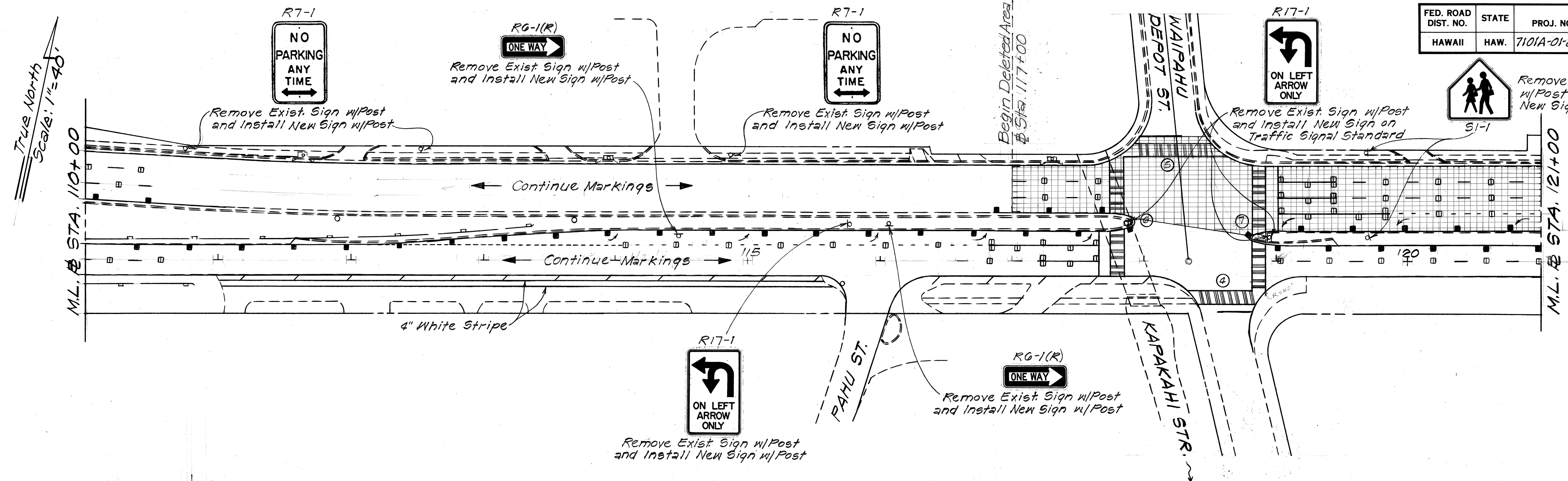
SIGNING & PAVEMENT MARKING PLAN

FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. NO. 7101A-01-89M

Scale: 1" = 40' Date: March, 1989

SHEET No. 16 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	17	27

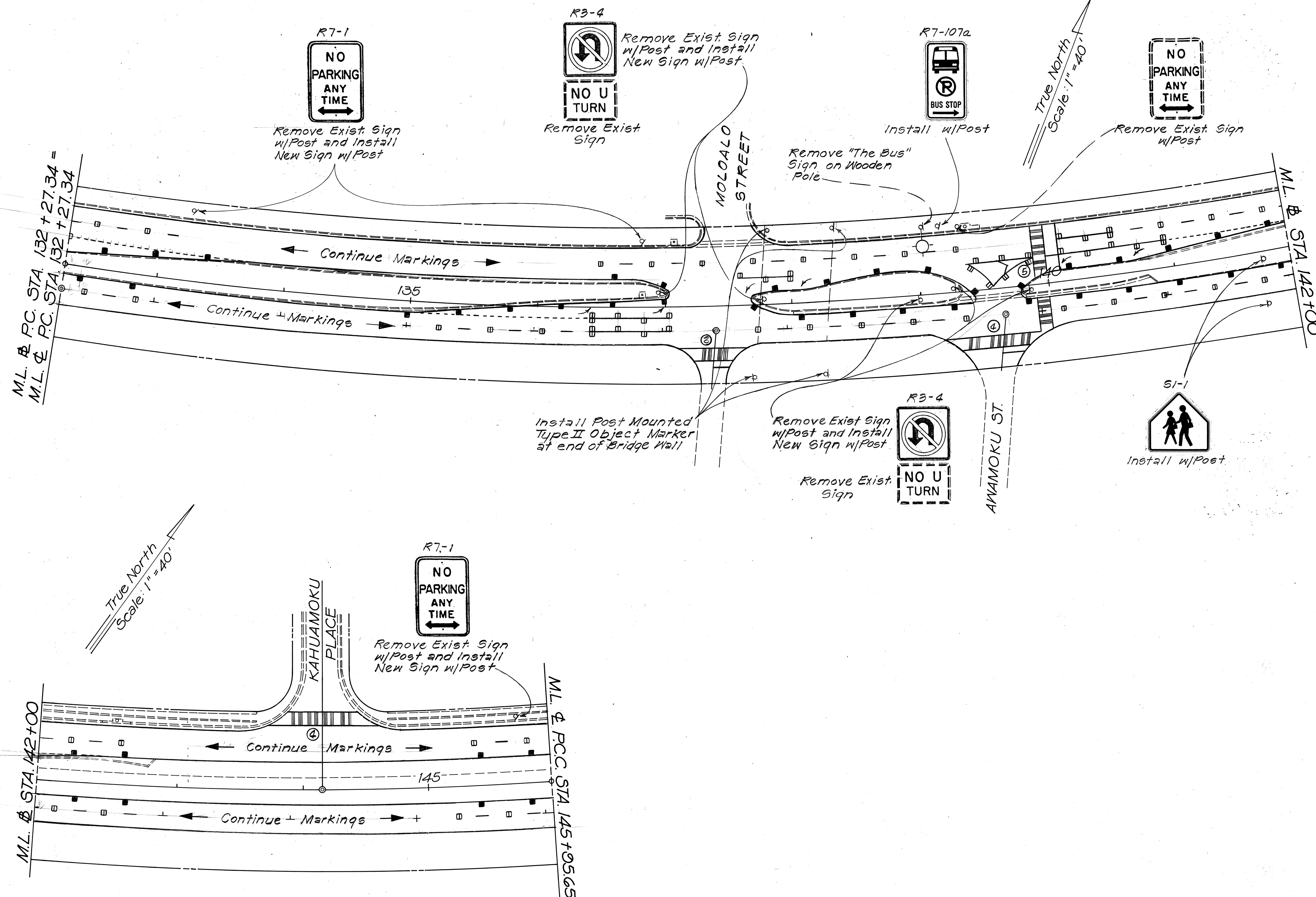


DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. NO. 7101A-01-89M
Scale: 1"=40' Date: March, 1989
SHEET No. 17 OF 10 SHEETS

M.L. & P.C. STA. 132+27.34=
M.L. & P.C. STA. 132+27.34

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	18	27



ORIGINAL PLAN	DATE
NO.	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

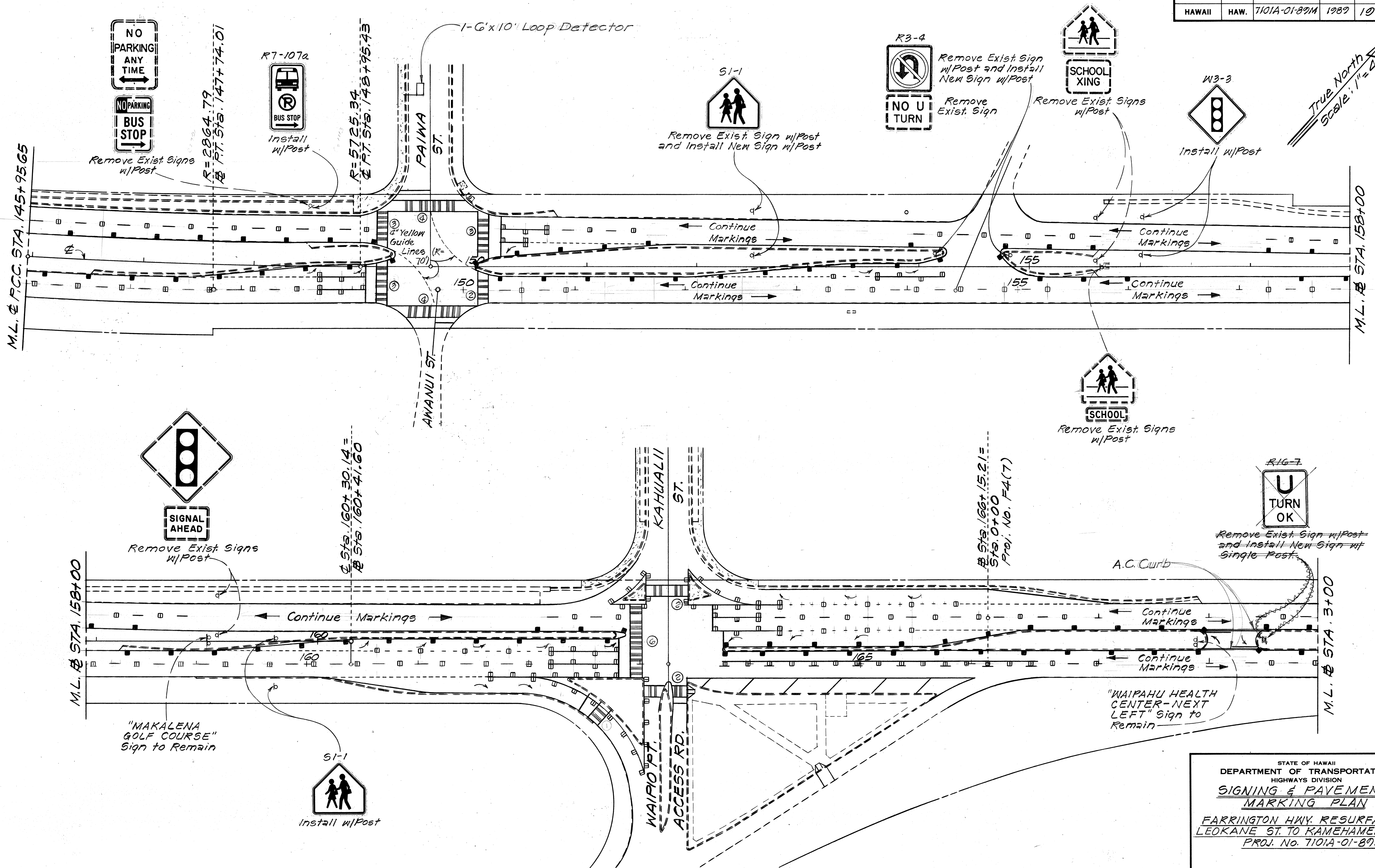
SIGNING & PAVEMENT MARKING PLAN

FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M

Scale: 1" = 40' Date: March, 1989

SHEET NO. 18 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	10	27



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. NO. 7101A-01-89M
Scale: 1"=40' Date: Mar, 1989
SHEET No. 10 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	20	27

R2-1(30)
SPEED LIMIT
30

Remove Exist. Sign w/Post and Install New Sign w/Post



Remove Exist. Sign w/Post and Install New Sign w/Post

R2-5b(30)
REDUCED SPEED
30

Remove Exist. Sign w/Post and Install New Sign w/Post

Install RM-4 and RM-3's, Per Standard Plan TE-67

Install RM-4 & RM-3's Per Std. Plan TE-67

R2-1(35)
SPEED LIMIT
35

Install w/Post

KEEP OFF MEDIAN
R11-1

Remove Exist. Sign w/Post and Install New Sign w/Post



Install on Street Light Std

R11-1
KEEP OFF MEDIAN

Remove Exist. Sign w/Post and Install New Sign w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M

Scale: 1"=40' Date: Mar, 1989

SHEET No. 77 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	21	27

TRUE NORTH
Scale: 1"=40'

R11-1
KEEP OFF MEDIAN

R2-1(35)
SPEED LIMIT 35

Remove Exist. Sign w/Post and Install New Sign w/Post

Remove Exist. Sign w/Post and Install New Sign on Street Light St'd

EOB Sta. 37+66.19
EOB Sta. 0+00

M.L. & STA. 0+50

Install RM-4 & RM-3's Per Std Plan TE-67

EOB Sta. 37+45.53
EOB Sta. 0+00

EOB

M.L. & O.B. STA. 26+00

M.L. & I.B. STA. 26+00

Continue Markings

Continue 30 Markings

Continue 35 Markings

Continue 35 Markings

R=106'
P.C. Sta. 4+63.76
R=150'

TRUE NORTH
Scale: 1"=40'

R=1900.86'
EOB PT. Sta. 32+27.95
EOB PT. Sta. 32+66.15
R=1909.86'

R7-4-A
NO STOPPING OR STANDING

Remove Exist. Sign w/Post and Install New Sign w/Post

Install RM-4 & RM-3's Per Std. Plan TE-67

W4-3
Install w/Post

R7-4-A
NO STOPPING OR STANDING

Remove Exist. Sign w/Post and Install New Sign w/Post

Continue Markings

Continue Markings

Continue Markings

Continue Markings

M.L. & O.B. STA. 11+00

M.L. & I.B. STA. 11+00

M.L. & STA. 0+50

Install RM-4 & RM-3's Per Std Plan TE-67

EOB P.C. Sta. 2+18.10
R=1910'
EOB P.C. Sta. 2+40.16
EOB P.C. Sta. 1037.02
R=1037.02'

R=1910'
EOB PT. Sta. 6+98.69

R7-4-A
NO STOPPING OR STANDING

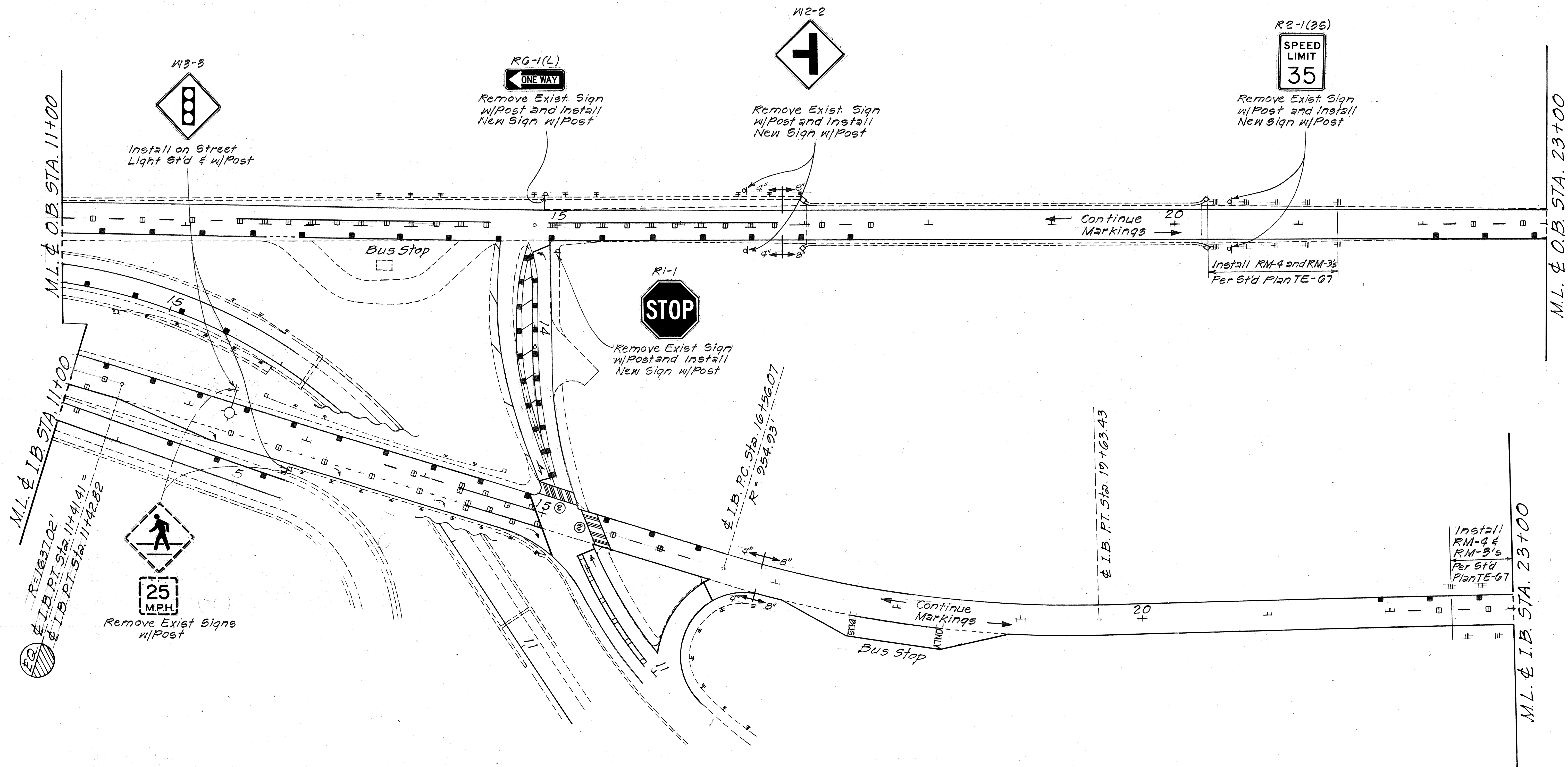
Remove Exist. Sign w/Post and Install New Sign on Street Light St'd & w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
FARRINGTON HWY RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M

Scale: 1"=40' Date: Mar., 1989
SHEET No. 21 OF 10 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	22	27



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

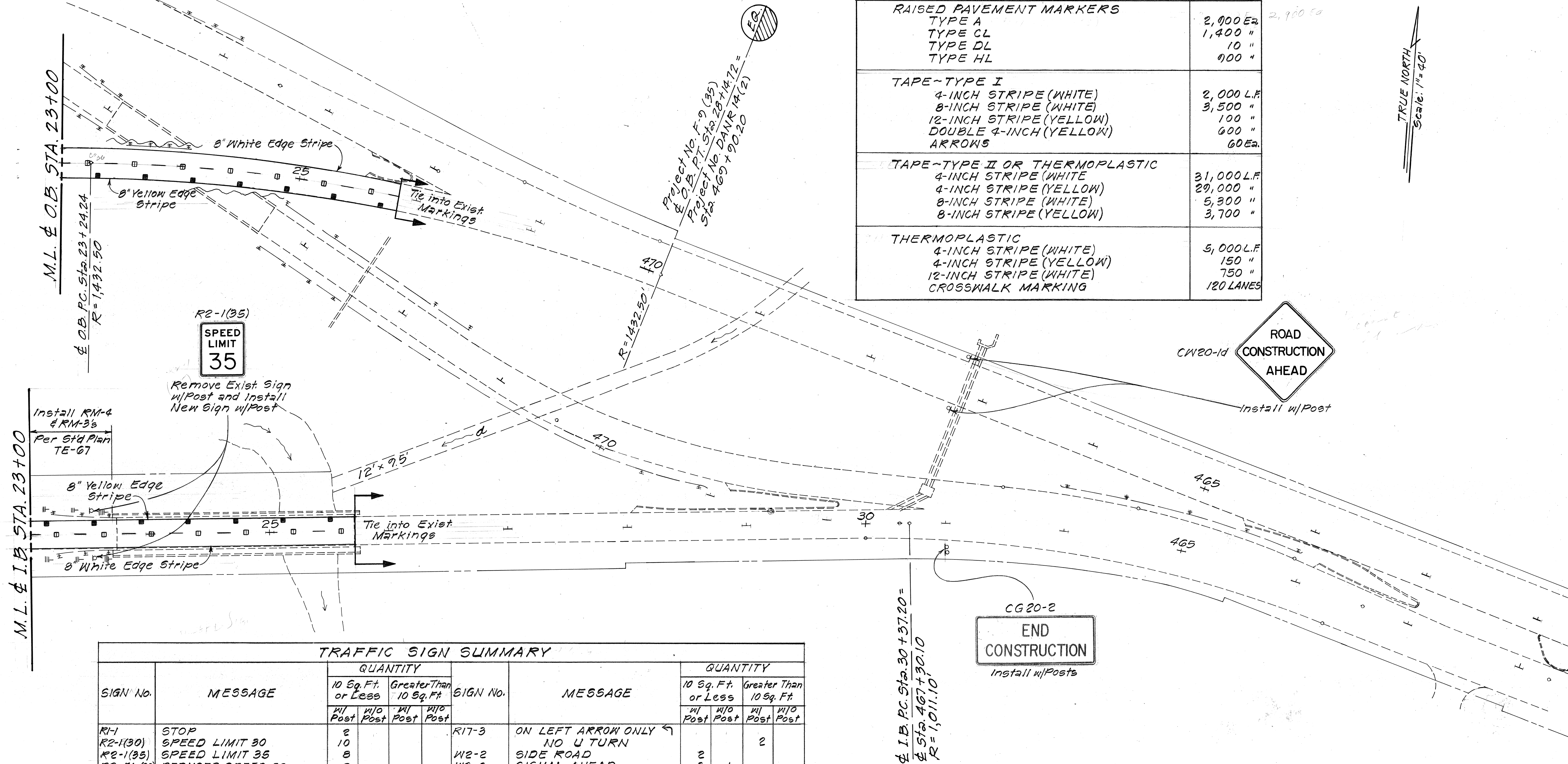
SIGNING & PAVEMENT MARKING PLAN

FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M

Scale: 1"=40' Date: Mar, 1989

SHEET NO. 22 OF 10 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____



PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
RAISED PAVEMENT MARKERS	
TYPE A	2,000 Ea.
TYPE CL	1,400 "
TYPE DL	10 "
TYPE HL	900 "
TAPE-TYPE I	
4-INCH STRIPE (WHITE)	2,000 L.F.
8-INCH STRIPE (WHITE)	3,500 "
12-INCH STRIPE (YELLOW)	100 "
DOUBLE 4-INCH (YELLOW)	600 "
ARROWS	60 Ea.
TAPE-TYPE II OR THERMOPLASTIC	
4-INCH STRIPE (WHITE)	31,000 L.F.
4-INCH STRIPE (YELLOW)	29,000 "
8-INCH STRIPE (WHITE)	5,300 "
8-INCH STRIPE (YELLOW)	3,700 "
THERMOPLASTIC	
4-INCH STRIPE (WHITE)	5,000 L.F.
4-INCH STRIPE (YELLOW)	150 "
12-INCH STRIPE (WHITE)	750 "
CROSSWALK MARKING	120 LANES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-89M	1989	23	27

TRUE NORTH
Scale: 1"=40'

TRAFFIC SIGN SUMMARY											
SIGN No.	MESSAGE	QUANTITY				SIGN No.	MESSAGE	QUANTITY			
		10 Sq. Ft. or Less		Greater Than 10 Sq. Ft.				10 Sq. Ft. or Less		Greater Than 10 Sq. Ft.	
		w/ Post	w/o Post	w/ Post	w/o Post			w/ Post	w/o Post	w/ Post	w/o Post
R1-1	STOP	2				R17-3	ON LEFT ARROW ONLY ↩				
R2-1(30)	SPEED LIMIT 30	10					NO U TURN			2	
R2-1(35)	SPEED LIMIT 35	8				W2-2	SIDE ROAD	2			
R2-5b(30)	REDUCED SPEED 30	2				W3-3	SIGNAL AHEAD	3	1		
R3-1	NO RIGHT TURN	1				W4-1(R)	MERGE		1		
R3-4	NO U TURN	8	2			W4-2(L)	LANE REDUCTION	1			
R9-1(R)	ONE WAY →	3				W4-3	ADDED LANE	1			
R9-1(L)	← ONE WAY	1				S1-1	SCHOOL ADVANCE	12			
R7-1	NO PARKING ANY TIME	12				S2-1	SCHOOL CROSSING	2			
R7-107a	BUS STOP	3				CONSTRUCTION SIGN SUMMARY					
R7-4-A	NO STOPPING OR STANDING	5	1								
R8-3	KEEP OFF MEDIAN	3	3			CW20-1d	ROAD CONSTRUCTION AHEAD				4
R9-3a	NO PEDESTRIAN CROSSING		2			CG20-2	END CONSTRUCTION	3			
R9-3b(R)	USE CROSSWALK →		1								
R9-3b(L)	← USE CROSSWALK		1								
R16-7	U TURN OK	4	1								
R17-1	ON LEFT ARROW ONLY ↩	1	3								

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
FARRINGTON HWY. RESURFACING
LEOKANE ST. TO KAMEHAMEHA HWY.
PROJ. No. 7101A-01-89M
Scale: 1"=40' Date: Mar., 1989
SHEET No. 23 OF 27 SHEETS