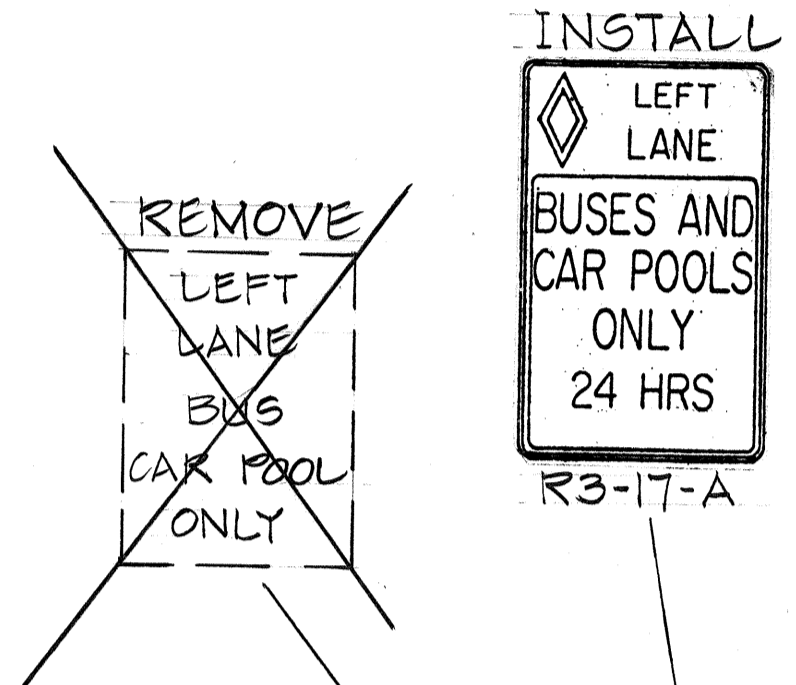
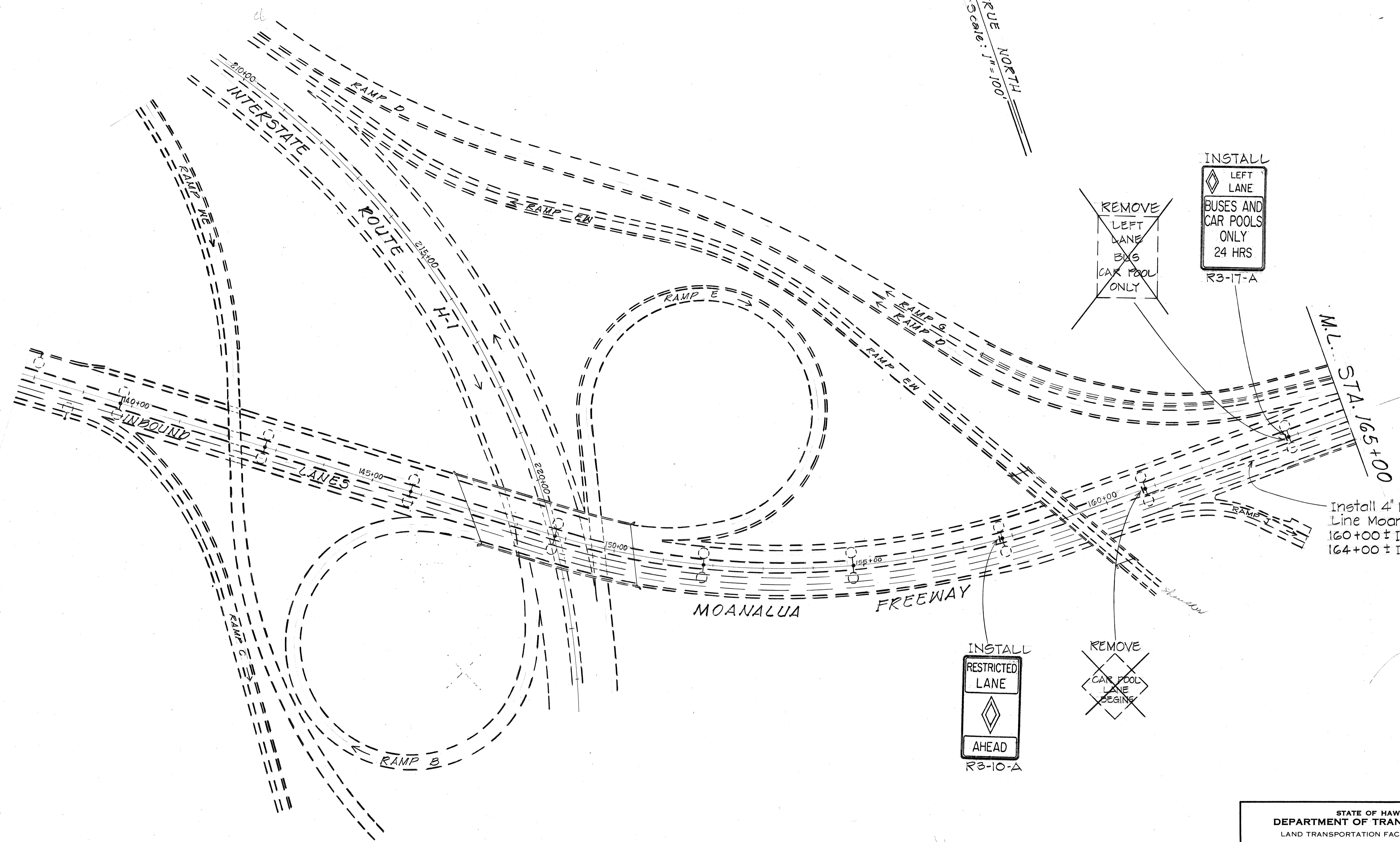


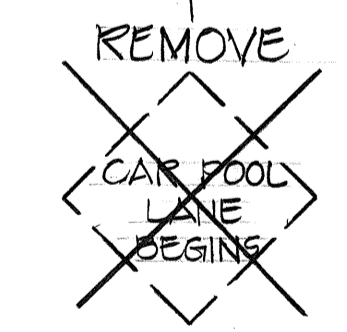
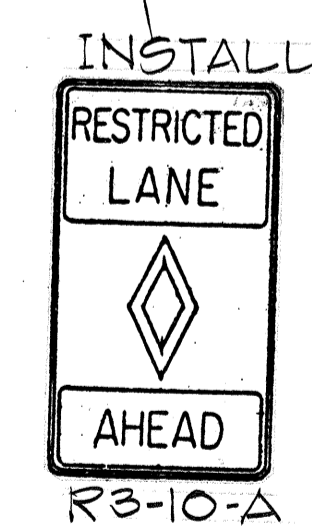
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HHS-078-1(10)	1978	C.O.132 S-1	147

TRUE NORTH
Scale: 1"=100'



M.L. STA. 165+00

Install 4" white Guide Line Moanalua Sta. 160+00 ± I.B. to Sta. 164+00 ± I.B.



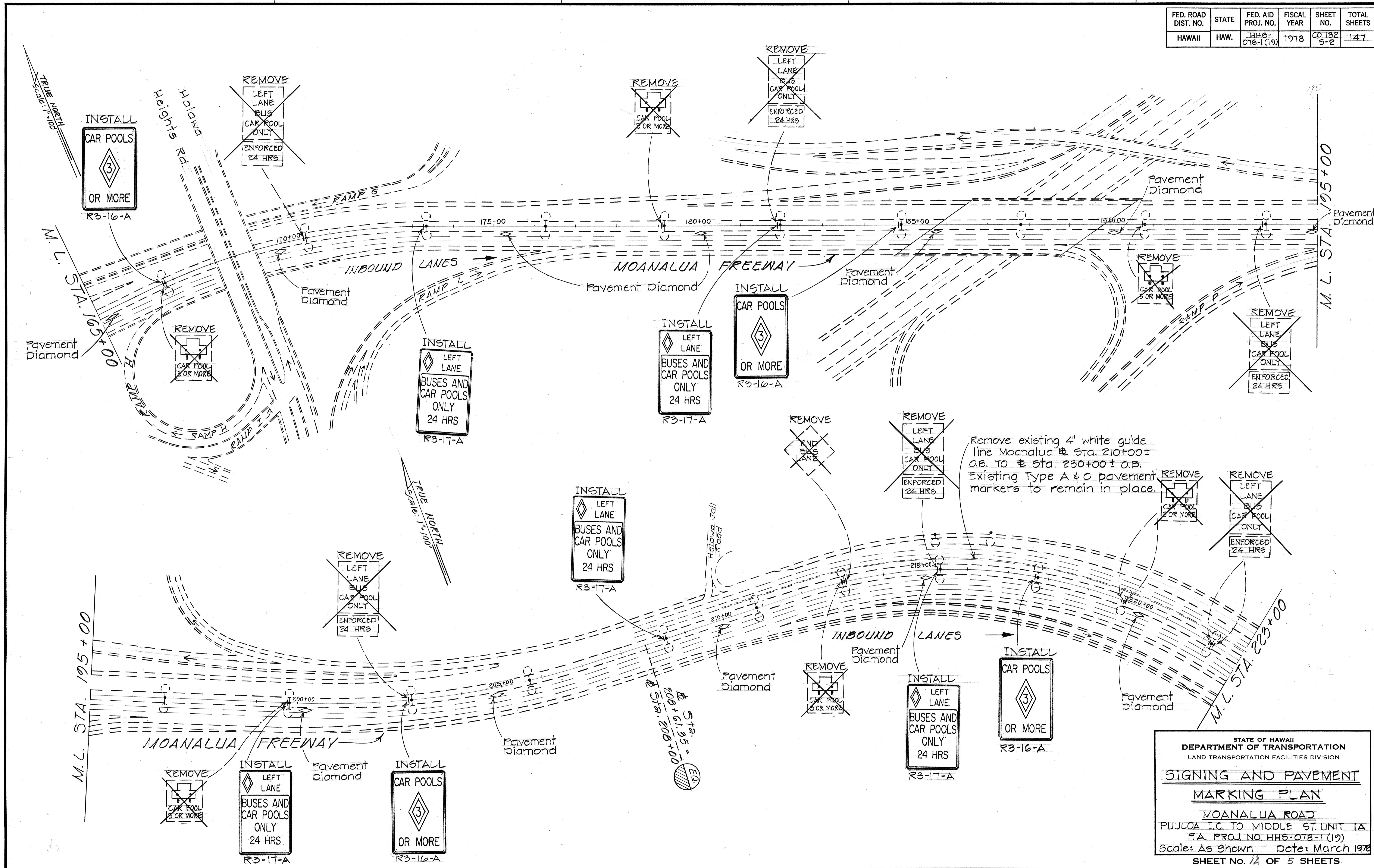
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	" "
DRAWN BY	" "
TRACED BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

SIGNING AND PAVEMENT MARKING PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 1A
F.A. PROJ. NO HHS-078-1(10)
Scale: As Shown Date: March 1978
SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HH5-078-1(19)	1978	CO. 132 S-2	147



DATE	_____
SURVEY PLOTTED BY	_____
PLAN	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

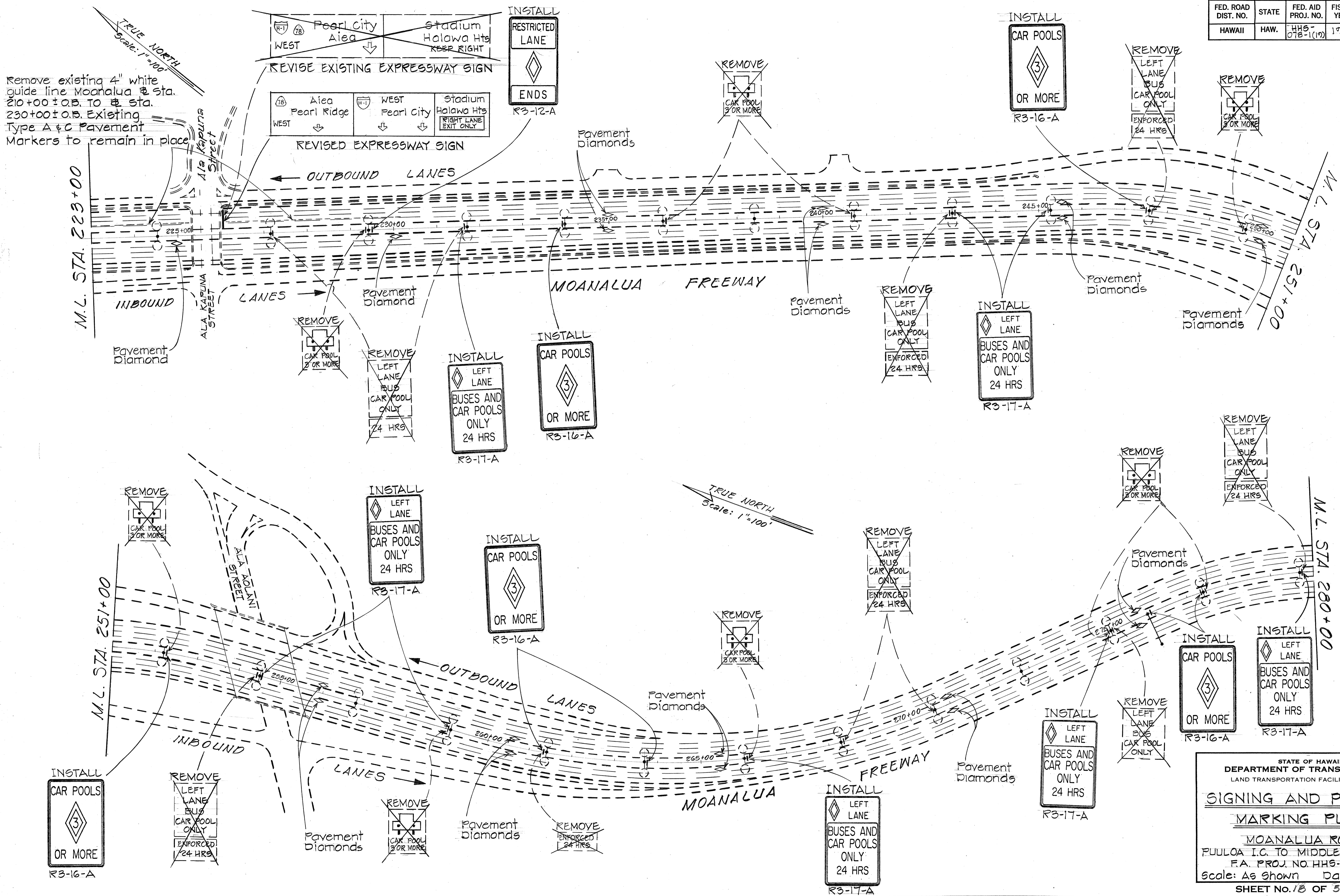
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

SIGNING AND PAVEMENT MARKING PLAN

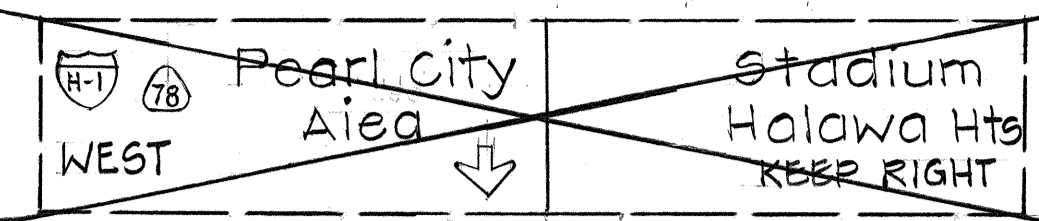
MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 1A
P.A. PROJ. NO. HH5-078-1(19)
Scale: As Shown Date: March 1978
SHEET No. 1A OF 5 SHEETS

CO 132 S-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HH5-078-1(12)	1978	C0132 S-3	147



Remove existing 4" white guide line Moanalua Sta. 210+00 to Sta. 230+00 O.B. Existing Type A & C Pavement Markers to remain in place



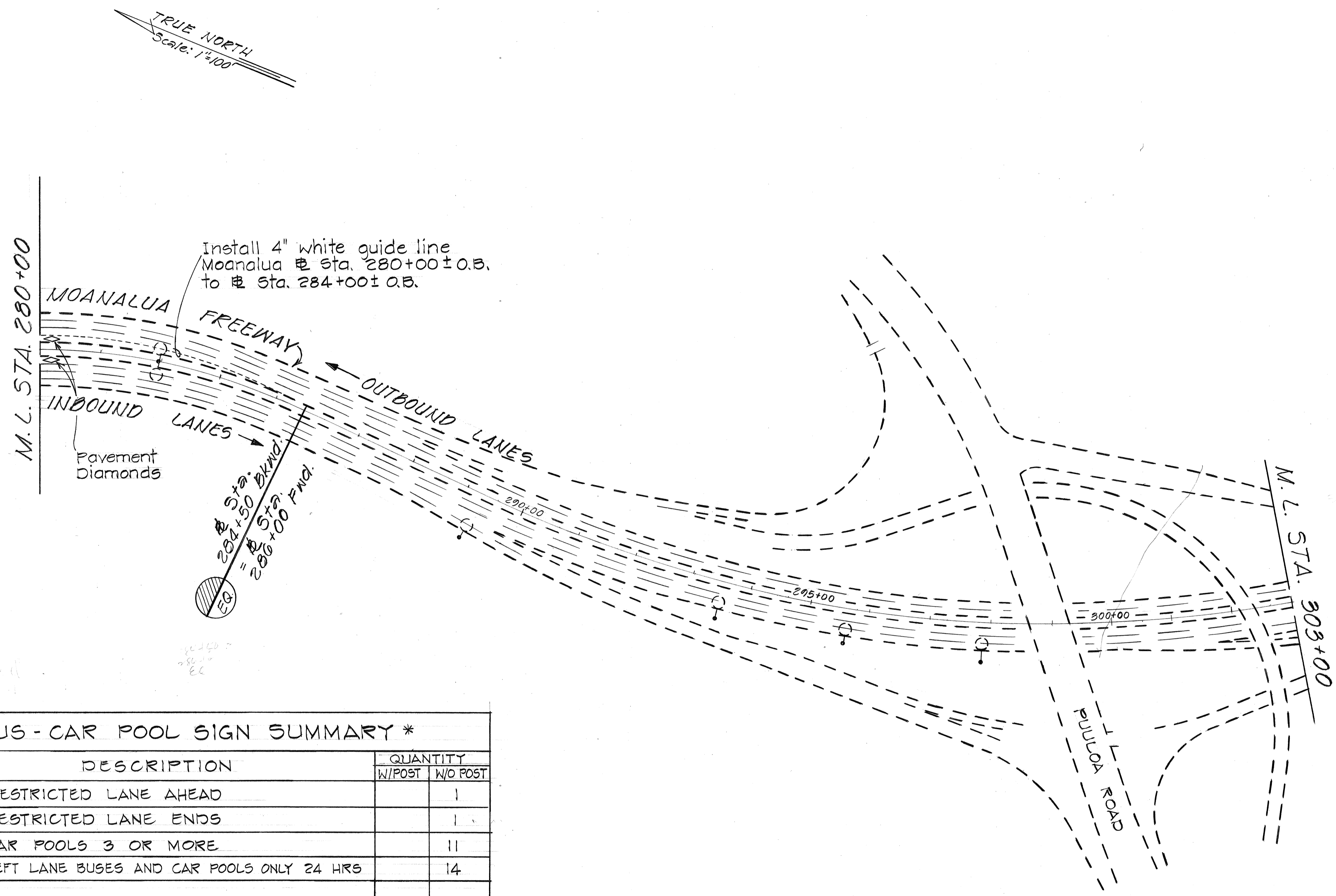
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

SIGNING AND PAVEMENT MARKING PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 1A
P.A. PROJ. NO. HH5-078-1 (12)
Scale: As Shown Date: March 1978
SHEET No. 18 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HH6-078-1(10)	1978	CO 132 S-4	147



BUS - CAR POOL SIGN SUMMARY *			
TYPE	DESCRIPTION	QUANTITY	
		W/POST	W/O POST
R3-10-A	RESTRICTED LANE AHEAD		1
R3-12-A	RESTRICTED LANE ENDS		1
R3-16-A	CAR POOLS 3 OR MORE		11
R3-17-A	LEFT LANE BUSES AND CAR POOLS ONLY 24 HRS		14

* FOR PLAN SHEETS CO 132 S-1, CO 132 S-2, CO 132 S-3, CO 133 S-4 ONLY.

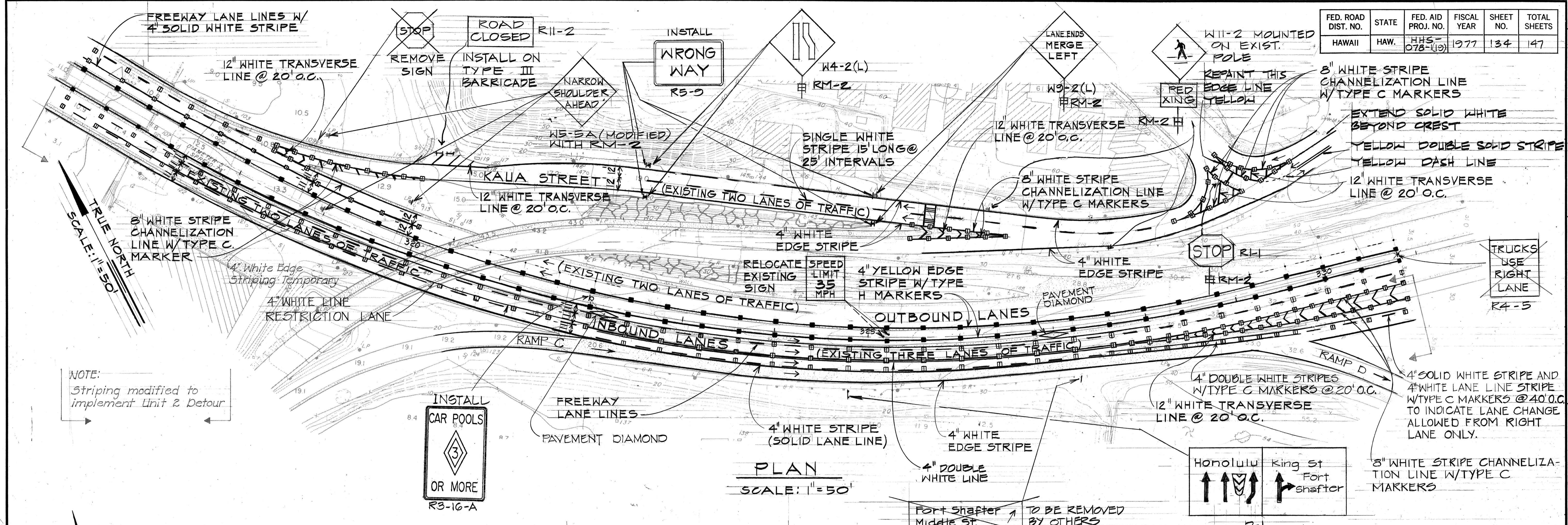
ORIGINAL PLAN	DATE
NO. _____	_____
SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	_____
TRACED BY _____	_____
DESIGNED BY _____	_____
QUANTITIES BY _____	_____
CHECKED BY _____	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

SIGNING AND PAVEMENT
MARKING PLAN

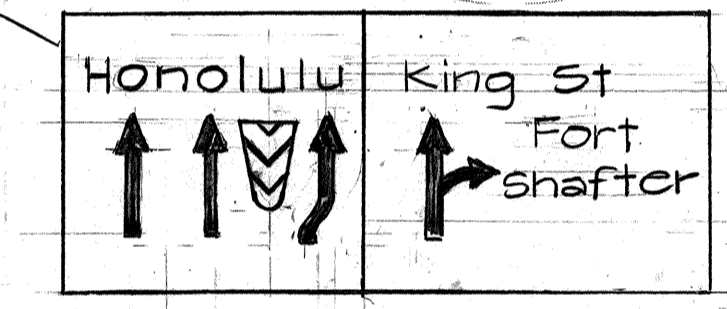
MOANALUA ROAD
PULLOA I.C. TO MIDDLE ST. UNIT 1A
F.A. PROJ. NO. HH6-078-1(10)
Scale: As Shown Date: March 1978
SHEET No. 10 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HHS-078-1(19)	1977	134	147

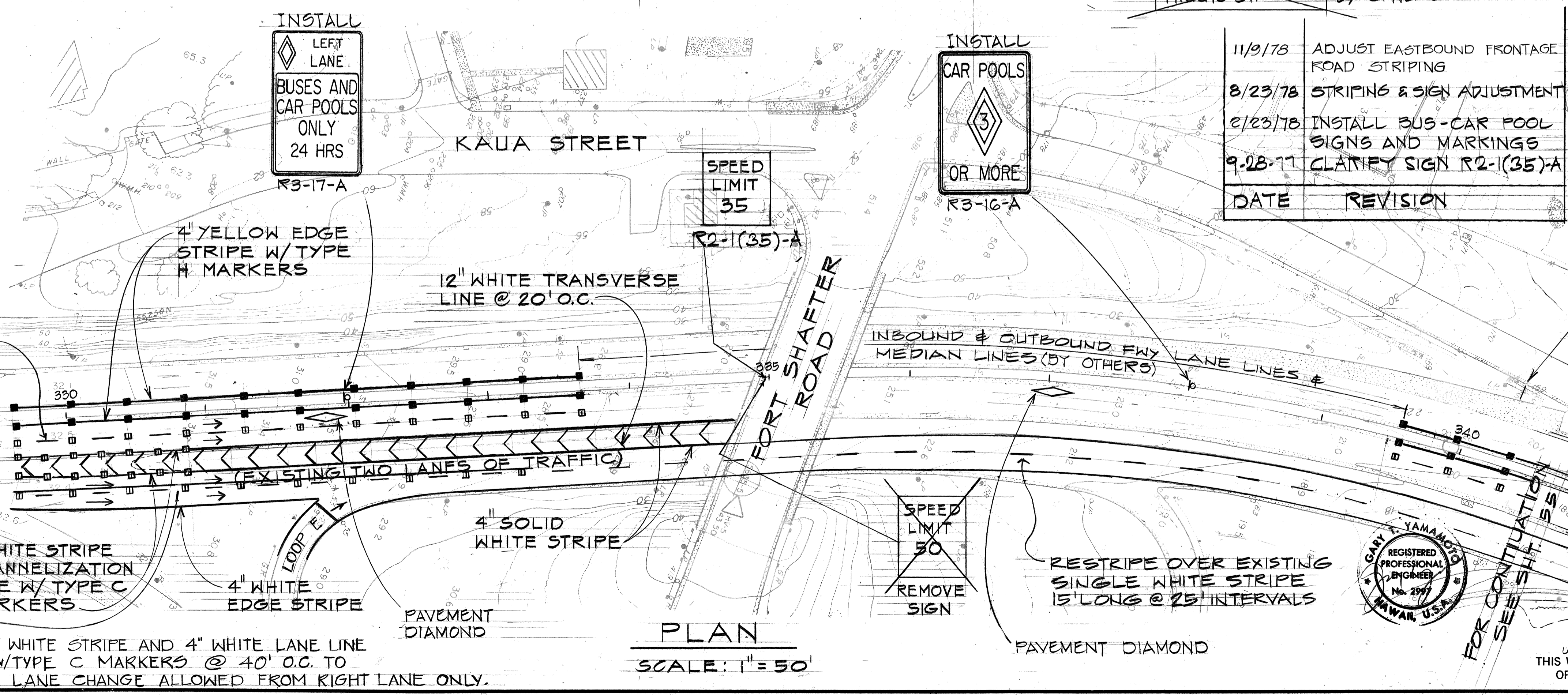


PLAN
SCALE: 1" = 50'

NOTE:
Striping modified to implement Unit 2 Detour

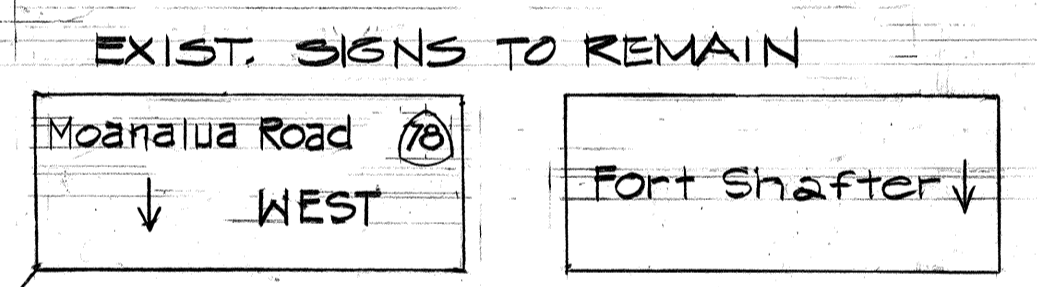


TRUE NORTH
SCALE: 1" = 50'



PLAN
SCALE: 1" = 50'

DATE	REVISION
11/9/78	ADJUST EASTBOUND FRONTAGE ROAD STRIPING
8/23/78	STRIPING & SIGN ADJUSTMENT
2/23/78	INSTALL BUS-CAR POOL SIGNS AND MARKINGS
9-28-77	CLARIFY SIGN R2-1(35)-A



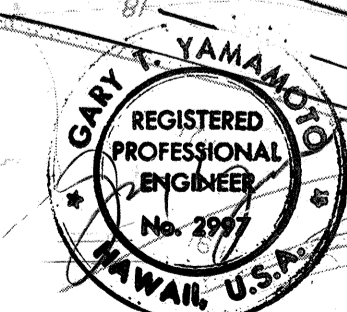
ORIGINAL PLAN	DATE
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

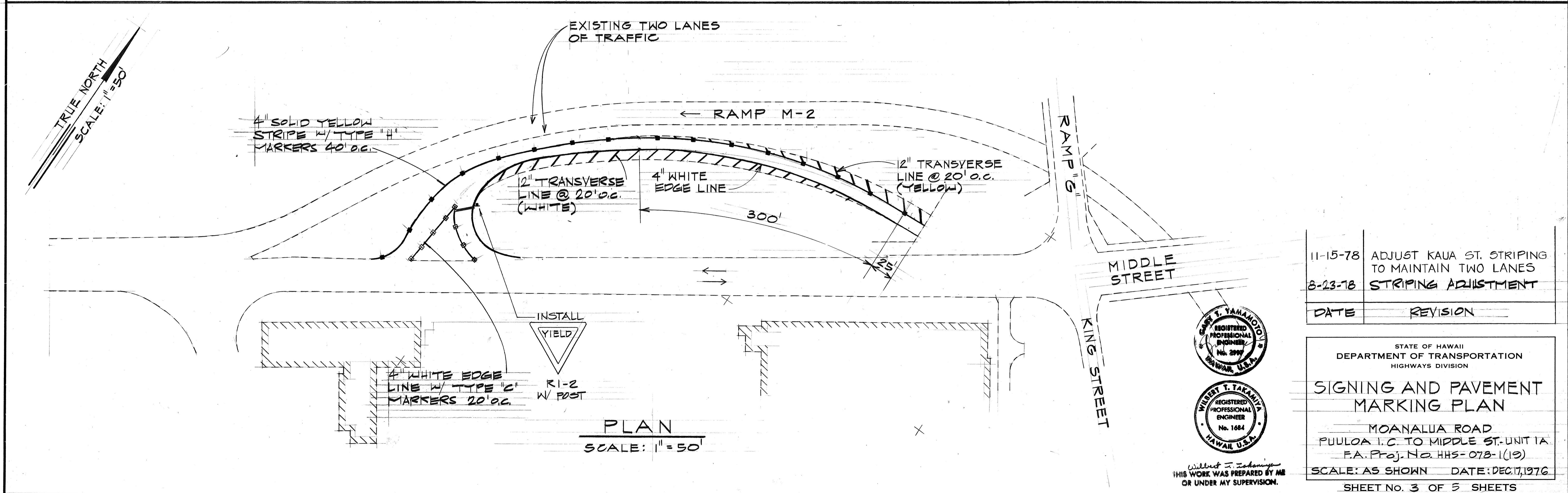
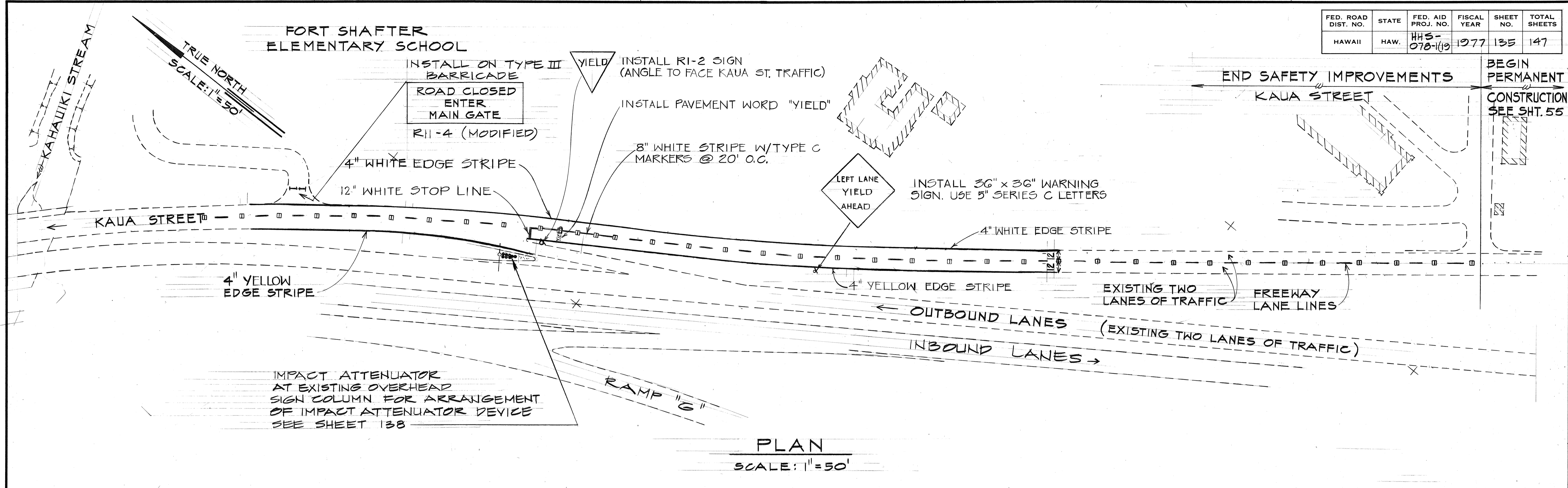
MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 1A
F.A. PROJ. NO. HHS-078-1(19)

SCALE: AS SHOWN DATE: DEC. 17, 1976
SHEET NO. 2 OF 3 SHEETS



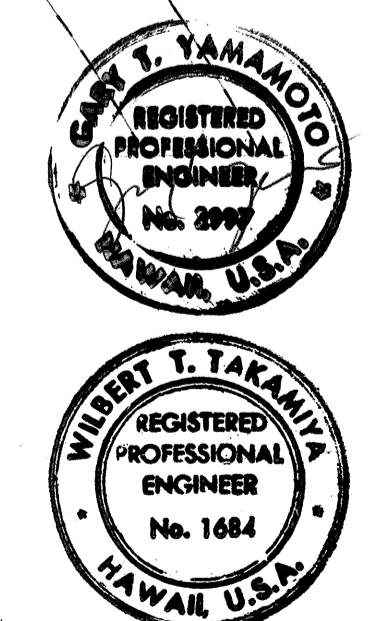
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HHS-078-1(19)	1977	135	147



DATE
DESIGNED BY
CHECKED BY
NO.

11-15-78	ADJUST KAUA ST. STRIPING TO MAINTAIN TWO LANES
8-23-78	STRIPING ADJUSTMENT
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 1A
F.A. Proj. No. HHS-078-1(19)

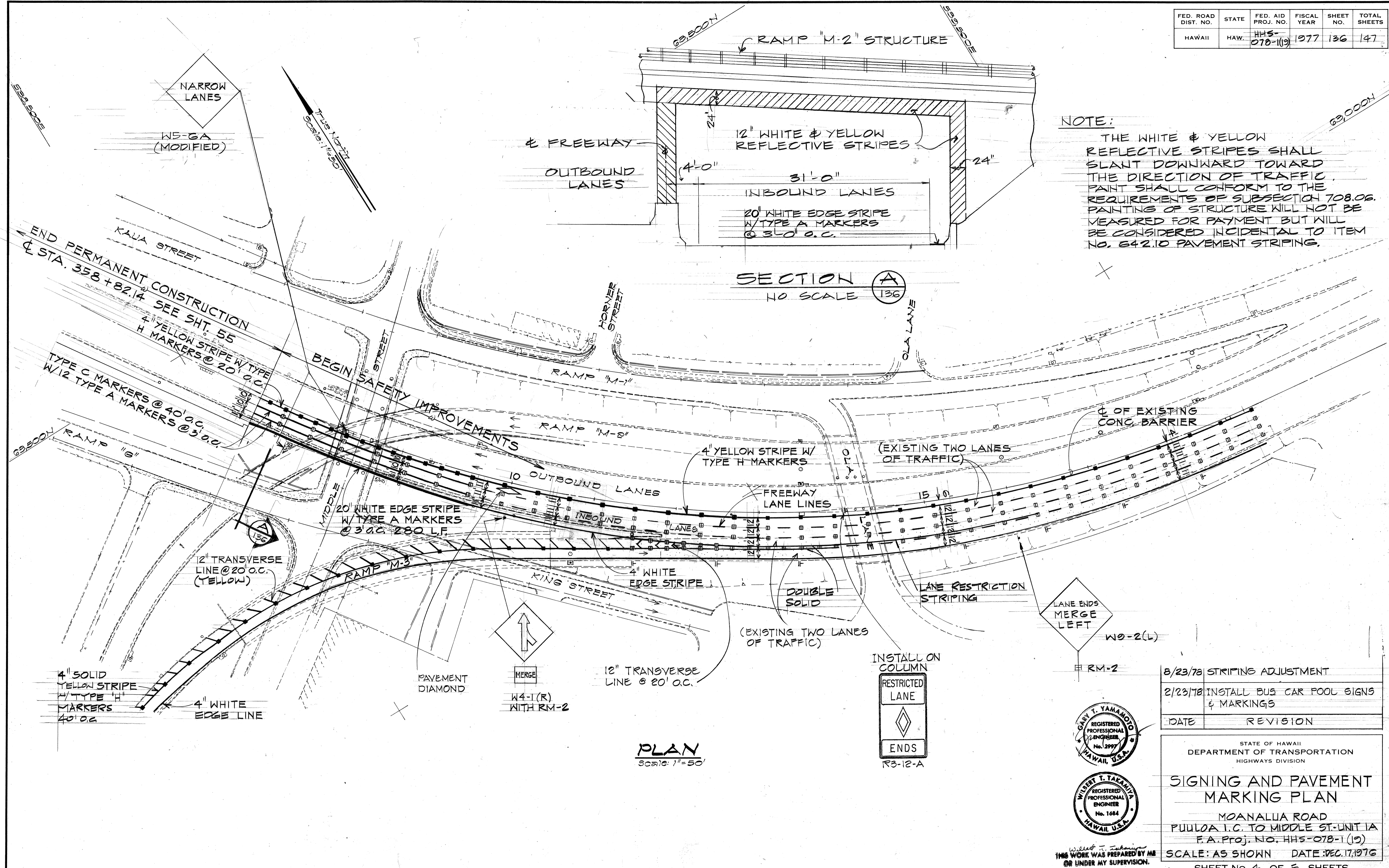
SCALE: AS SHOWN DATE: DEC. 17, 1976

SHEET NO. 3 OF 5 SHEETS

WILBERT T. TAKAMIZAWA
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HHS-078-1(19)	1977	136	147

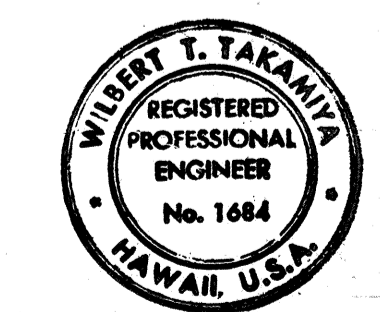
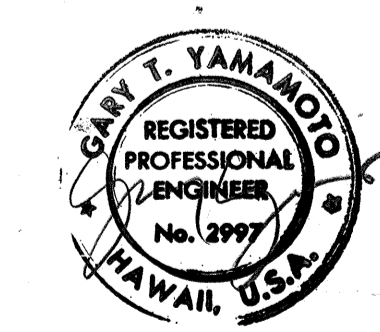
NOTE:
 THE WHITE & YELLOW REFLECTIVE STRIPES SHALL SLANT DOWNWARD TOWARD THE DIRECTION OF TRAFFIC. PAINT SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 708.06. PAINTING OF STRUCTURE WILL NOT BE MEASURED FOR PAYMENT BUT WILL BE CONSIDERED INCIDENTAL TO ITEM NO. 642.10 PAVEMENT STRIPING.



SECTION A
 NO SCALE 136

PLAN
 Scale: 1" = 50'

DATE	REVISION
8/23/78	STRIPING ADJUSTMENT
2/23/78	INSTALL BUS CAR POOL SIGNS & MARKINGS



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

MOANALUA ROAD
 PUULOA I.C. TO MIDDLE ST. UNIT 1A
 F.A. Proj. No. HHS-078-1 (19)

SCALE: AS SHOWN DATE: DEC. 17, 1976

SHEET NO. 4 OF 5 SHEETS

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

C.O. 136
 Improvement 1-A PD-137

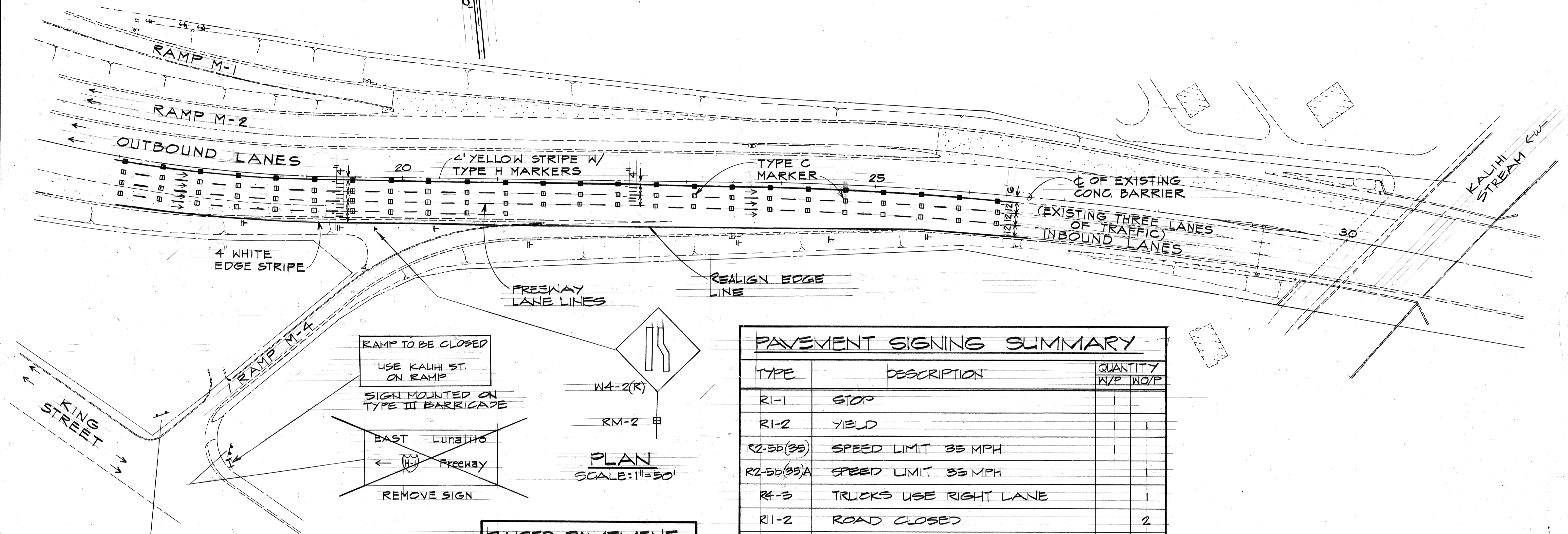
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HHS-078-1(19)	1977	137	147

BUS - CAR POOL SIGN SUMMARY *

TYPE	DESCRIPTION	QUANTITY	
		W/P	W/O/P
R3-12-A	RESTRICTED LANE ENDS		1
R3-16-A	CAR POOLS 3 OR MORE	2	
R3-17-A	LEFT LANE BUSES AND CAR POOLS ONLY 24 HRS	2	

* FOR SHEETS CO 133, CO 134 & CO 136 ONLY

TRUE NORTH
SCALE: 1"=50'



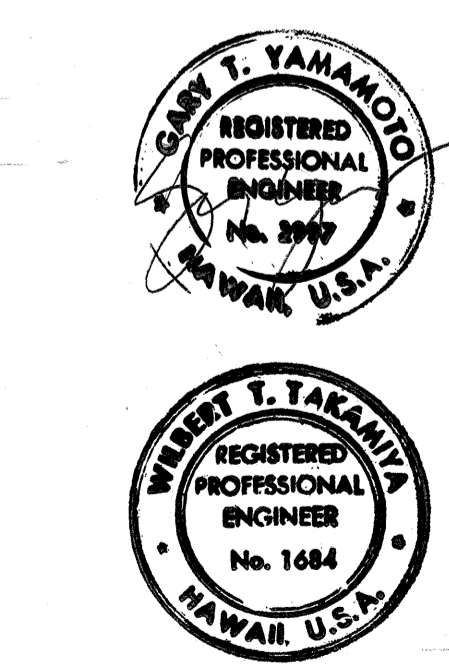
RAISED PAVEMENT MARKERS SUMMARY

SHEET NO.	QUANTITIES		
	TYPE A	TYPE C	TYPE H
1	272	113	36
2	298	132	78
3	44	38	
4	428	88	38
5	176	44	18
PERMANENT SHEET No. 55	92	24	48
TOTAL	1300	439	218

PAVEMENT SIGNING SUMMARY

TYPE	DESCRIPTION	QUANTITY	
		W/P	W/O/P
R1-1	STOP		
R1-2	YIELD		
R2-50(35)	SPEED LIMIT 35 MPH		
R2-50(35)A	SPEED LIMIT 35 MPH		
R4-3	TRUCKS USE RIGHT LANE		
R11-2	ROAD CLOSED		2
W4-2(L)	↓		7
W4-1(R)	↑ MERGE		1
W5-2 MODIFIED	LANES NARROW 1000 FT.		1
W5-2A MODIFIED	LANES NARROW 1000 FT.		1
W5-4A MODIFIED	NARROW SHOULDERS		2
W5-5A MODIFIED	NARROW SHOULDERS AHEAD		3
W5-6A MODIFIED	NARROW LANES		2
W9-2(L)	LANE ENDS MERGE LEFT		7
W11-2	↓ PBD KING		2
TOTAL		25	9

SURVEY PLOTTED BY: _____ DATE: _____
 DRAWN BY: _____
 TRACED BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____
 NO. _____



2/23/78	ADD BUS-CAR POOLS SIGN SUMMARY
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 1A
F.A. Proj. No. HHS-078-1(19)

SCALE: AS SHOWN DATE: DEC. 17, 1976
SHEET No. 5 OF 5 SHEETS

WITHOUT TESTAMENTS
 THIS WORK WAS PREPARED BY ME
 OR UNDER MY SUPERVISION.

C.O. 137