

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

RAISED PAVEMENT MARKERS AND STRIPING SUMMARY

FED. ROAD DIST. NO.	STATE	FEDERAL -- AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	90	159

STATION TO STATION	PAVEMENT STRIPING						DISTANCE (L.F.)	PAVEMENT MARKERS (EA.)					STOP BAR WHITE 12" (L.F.)	LETTERING		SYMBOLS		CROSS WALK LANE	COMMENTS
	4" YELLOW (L.F.)		12" YELLOW	4" WHITE	8" WHITE	12" WHITE		TYPE "A"	TYPE "C"	TYPE "D"	TYPE "H"	TYPE "J"		STOP	ONLY	ARROW	BIKE		
	DOUBLE	SINGLE	L.F.	L.F.	L.F.	L.F.									EA.	EA.	EA.		
PUUNENE AVE. NORTHBOUND																			
CENTERLINE																			
Sta. 0+30 – Sta. 3+40				353	315		56	35				40		3	9	2		STORAGE LANE	
Sta. 3+40 – Sta. 5+20				360		181	36	14		5								TAPER	
Sta. 5+20 – Sta. 5+60				40		40	8	3		1									
Sta. 5+60 – Sta. 7+70				278		210	24	9		6						2		TAPER	
Sta. 7+70 – Sta. 10+00	40			212	40	104	22	14		6		52	2		2	2	3		
Sta. 10+00 – Sta. 30+60				280	107	1150	517	125		48		15		2	7	8	2	TAPER	
EDGE OF STRIPING																			
Sta. 0+00 – Sta. 8+23				900				23											
Sta. 8+77 – Sta. 10+70				263				7											
Sta. 11+35 – Sta. 30+75				2041				52											
MEDIAN																			
Sta. 0+32 – Sta. 3+47	660		220							33									
Sta. 8+85 – Sta. 10+70	380		300							19									
Sta. 23+05 – Sta. 30+60	1538		680							77									
TRAFFIC ISLAND																			
Sta. 0+00 – Sta. 0+58				125	68			7				12	1		1		1		
Sta. 0+00 – Sta. 0+75				120	60			6				54					6		

DANIEL S. MIYASATO

LICENSED PROFESSIONAL ENGINEER

No. 3443-C

HAWAII U.S.A.



SATO & ASSOCIATES, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING AND SIGNAGE SUMMARY

PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
And
MOKULELE HIGHWAY WIDENING
Hansen Road to Vicinity of
Cane Haul Road Crossing
Federal -- Aid Project No. NH-A311(3)

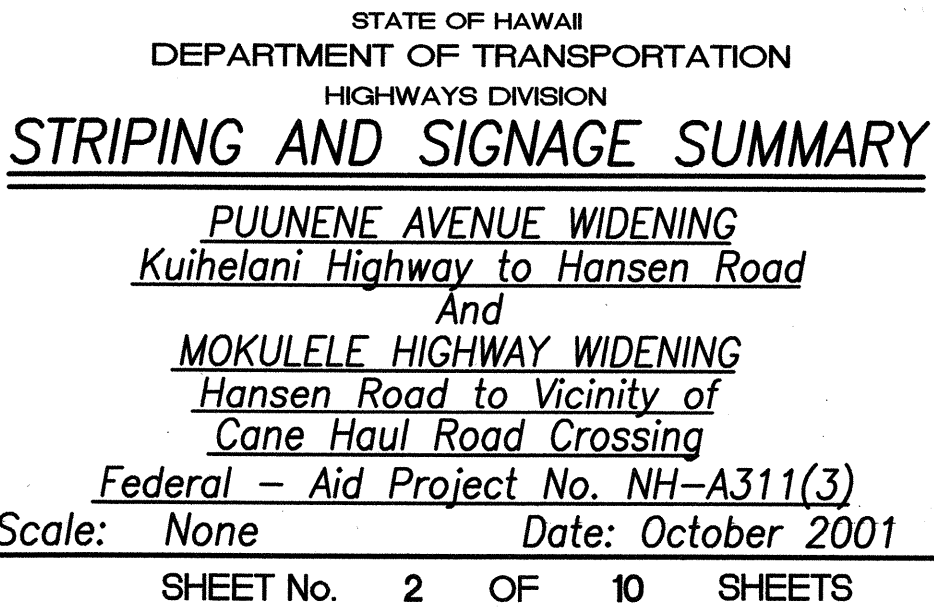
Scale: None Date: October 2001

SHEET No. 1 OF 10 SHEETS

90

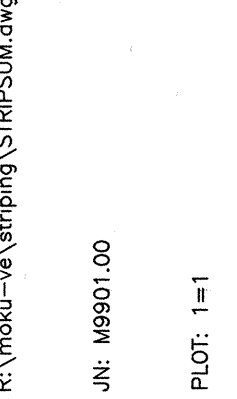
RAISED PAVEMENT MARKERS AND STRIPING SUMMARY

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



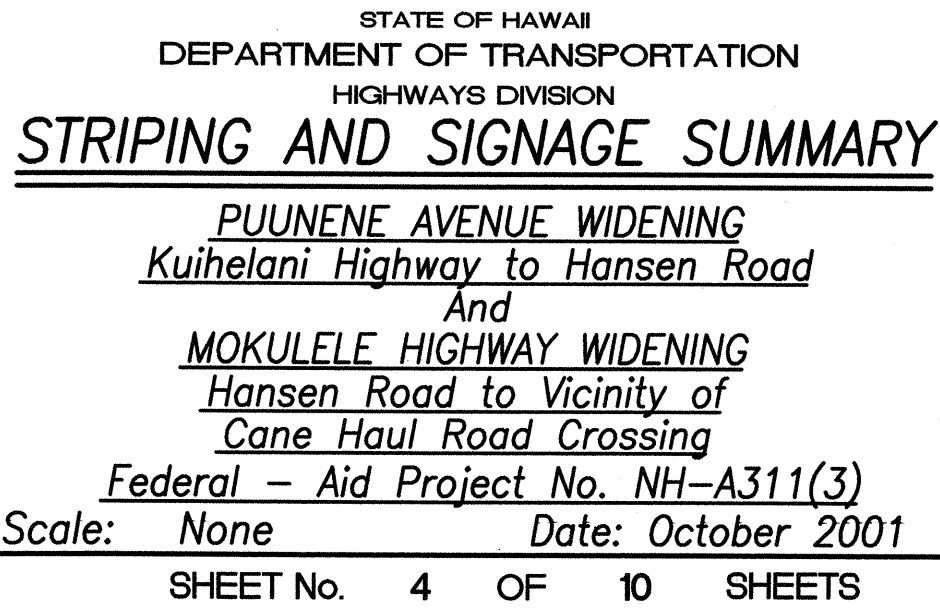
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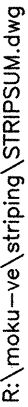
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RAISED PAVEMENT MARKERS AND STRIPING SUMMARY

STATION TO STATION	PAVEMENT STRIPING						DISTANCE (L.F.)	PAVEMENT MARKERS (EA.)					STOP BAR WHITE 12" (L.F.)	LETTERING		SYMBOLS		CROSS WALK LANE
	4" YELLOW (L.F.)		12" YELLOW	4" WHITE	8" WHITE	12" WHITE		TYPE "A"	TYPE "C"	TYPE "D"	TYPE "H"	TYPE "J"		STOP EA.	ONLY EA.	ARROW EA.	BIKE EA.	
	DOUBLE	SINGLE	L.F.	L.F.	L.F.	L.F.												
EX. PUUNENE AVE.																		
CENTERLINE																		
Sta. 0+40 – Sta. 2+75	235				235			12	12			33	2	4	6			
Sta. 2+75 – Sta. 3+75				100														
EDGE OF STRIPING																		
Sta. 0+00 – Sta. 5+41				542				14										
Sta. 0+00 – Sta. 5+41				556				14										
MEDIAN																		
Sta. 2+75 – Sta. 5+41	536		77							27								
TRAFFIC ISLAND																		
Sta. 0+00 – Sta. 0+40					112	45		6				16			1		4	

TOTAL	6046		2380	24,109	3291	362	11,261	2292	1120	50	542		652	7	29	81	30	33

FED. ROAD DIST. NO.	STATE	FEDERAL — AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	96	159

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
PUUNENE AVE.			
R1-1	STOP	3	
R1-2	YIELD	1 3	
R2-1 (25)	SPEED LIMIT 25	2	
R2-1 (30)	SPEED LIMIT 30	4	
R2-5B (25)	REDUCE SPEED 25	1	
R3-2	NO LEFT TURN	5	
R3-3	NO TURNS	1	
W1-2 (L)		2	
W2-1		2	
W3-1	STOP AHEAD	2	
W3-3	SIGNAL AHEAD	2	
W1-2 (L)		2	
		1	
R17-3		1	

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
PUUNENE AVE.			
R5-1		2	
R5-1A		2	
TOTAL		33	



Daniel S. Miyasato

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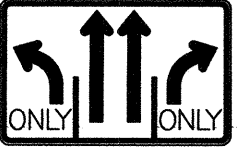
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING AND SIGNAGE SUMMARY
PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
And
MOKULELE HIGHWAY WIDENING
Hansen Road to Vicinity of
Cane Haul Road Crossing
Federal — Aid Project No. NH-A311(3)
Scale: None Date: October 2001

SHEET No. 7 OF 10 SHEETS

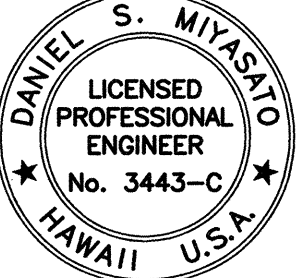
“AS-BUILT”

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NOTE BOOK	QUANTITIES BY	
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TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
MOKULELE HWY.			
R2-1 (30)	SPEED LIMIT 30	1	
R2-1 (35)	SPEED LIMIT 35	3	
R2-1 (45)	SPEED LIMIT 45	8	
R2-5B (30)	REDUCE SPEED 30	2	
R2-5B (35)	REDUCE SPEED 35	3	
W1-4 (L)		3	
W2-1		1	
W3-3	SIGNAL AHEAD	2	
W4-2 (R)		2	
W6-1		1	
W6-2		2	
W9-1(R)	RIGHT LANE ENDS	1	
		3	

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	97	159

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
MOKULELE HWY.			
R3-4B		2	
R17-1A		2	
W1-8		3	
R4-7		1	
TOTAL		41	



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STATE OF HAWAII
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STRIPING AND SIGNAGE SUMMARY

PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
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Federal - Aid Project No. NH-A311(3)

Scale: None Date: October 2001

SHEET No. 8 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	98	159

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
HANSEN RD.			
R1-2	YIELD	1	
R2-1 (20)	SPEED LIMIT 20	1	
W1-7		1	
W3-3	SIGNAL AHEAD	1	
		1	
		1	
		1	
TOTAL		7	

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
EXIST. PUUNENE AVE.			
R1-1	STOP	1	
R1-2	YIELD	1	
W3-1	STOP AHEAD	1	
		1	
TOTAL		4	

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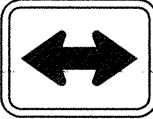

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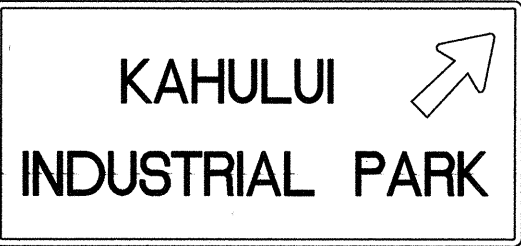
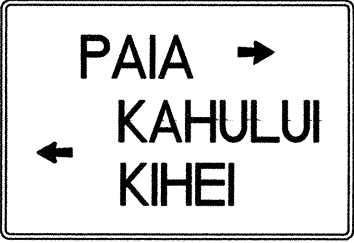
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SHEET No. **9** OF **10** SHEETS

98

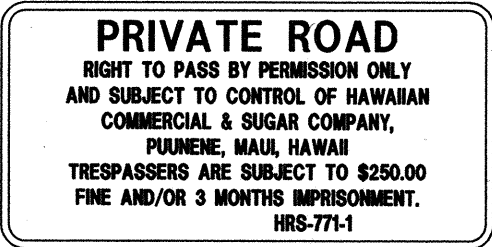
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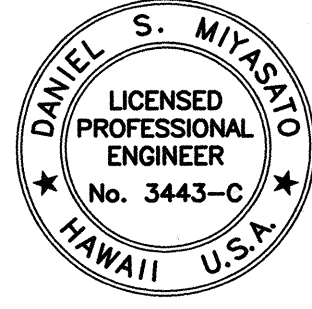
FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	99	159

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS W/POST	GREATER THAN 10 SQ. FT. W/POST
BIKE PATH			
R1-1	STOP	6	
R3-7 (L)	NO MOTOR VEHICLE	7	
D11-1	BIKE ROUTE	10	
M4-11	BEGIN	1	
M4-12	END	1	
M7-5		1	
TOTAL		26	

DESTINATION SIGN SUMMARY					
SIGN NO.	LOCATION	MESSAGE	SIZE	NEW PANEL AREA (SQ. FT.)	REMARKS
	PUUNENE AVE. Sta. 2+08 Rt.		11'0"x3'4 1/2"	37	USE GALV. FLANGED CHANNEL POST (4.00 LBS./FT.) 3 - POST
	HANSEN RD. Sta. 4+57 Lt.		7'7 1/2"x5'3"	40	USE GALV. FLANGED CHANNEL POST (4.00 LBS./FT.) 3 - POST
TOTAL				77	6

MILEPOST MARKER SUMMARY			
LOCATION	SIGN NO. AND MESSAGE		HIGHWAY ROUTE NUMBER PLATE MESSAGE
MOKULELE HIGHWAY Sta. 3+82 Rt.	D10-1	MILE 0	311
MOKULELE HIGHWAY Sta. 46+53 Lt.	D10-1	MILE 1	311
TOTAL		2	622

INFORMATIONAL SIGN SUMMARY					
SIGN NO.	LOCATION	MESSAGE	SIZE	NEW PANEL AREA (SQ. FT.)	REMARKS
	PUUNENE AVE. Sta. 30+91.5 Rt. MOKULELE HWY. Sta. 48+20.5 Rt. MOKULELE HWY. Sta. 48+79 Lt.		4'0"x2'0"	8	USE GALV. FLANGED CHANNEL POST (4.00 LBS./FT.) 2 - POST
TOTAL				24	2



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