

ORIGINAL PLAN

NOTE BOOK

No.

SURVEY PLOTTED BY

DRAWN BY

TRACED BY

DESIGNED BY

QUANTITIES BY

CHECKED BY

DATE

''

''

''

SIGN SCHEDULE							
Sta.	Exist	New	Left	Right	Description	Sign Code	Sign Key
124+00		x	x		"End Rumble Strips"	Custom 2	3
125+17	x			x	Curve (Right)	W1-2R	2
126+16		x		x	Curve (Right)	W1-2R	3
					Advisory Speed (40)	W13-1(40)	3
128+25		x		x	"Rumble Strips Ahead"	Custom 1	3
128+41		x	x		Chevron, Left	W1-8L	3
129+69		x	x		Chevron, Right [West]	W1-8R	3
					Chevron, Left [East]	W1-8L	3
130+85		x	x		Chevron, Right	W1-8R	3
133+80		x	x		Curve, Left	W1-2R	3
					Advisory Speed (40)	W13-1(40)	3
134+43	x		x		Curve (Left)	W1-2L	2
136+84	x		x		Mile Marker (26.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4
163+29		x	x		Intermediate Mile Marker (25.5) [Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
187+56	x			x	"Adopt a Highway Litter Control" "Next 2 Miles"		1
187+83	x		x		"Adopt a Highway Litter Control" "Next 2 Miles"		1
189+04	x		x		Mile Marker (25.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4
215+19		x	x		Intermediate Mile Marker (24.5) [Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
241+37	x		x		Mile Marker (24.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4
270+43		x	x		Intermediate Mile Marker (23.5) [Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
280+20		x	x		Combined Speed Limit (50/40)	R2-4a(50-40)	3
280+20		x		x	Combined Speed Limit (50/40)	R2-4a(50-40)	3
296+34	x		x		"Adopt a Highway Litter Control" "Next 2 Miles"		1
296+84	x		x		Mile Marker (23.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4
297+15	x		x		"Adopt a Highway Litter Control" "Next 2 Miles"		1
323+24		x	x		Intermediate Mile Marker (22.5) [Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
339+18	x			x	Curve, Left	W1-2L	2
342+11		x		x	Curve, Left	W1-2L	3
					Advisory Speed (40)	W13-1(40)	3
344+35		x		x	Chevron, Right	W1-8R	3
345+50		x		x	Chevron, Left[West]	W1-8L	3
					Chevron, Right [East]	W1-8R	3
346+49		x		x	Chevron, Left [West]	W1-8L	3
					Chevron, Right [East]	W1-8R	3
346+66	x			x	"Nene Xing"	Custom	1
347+31	x		x		Mile Marker (22.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0190(018)	2022	38	70

Sta. 128+41

New

Left

"Chevron, Right "

W1-8R

3

Sta. 130+85

New

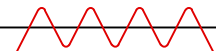
Left

"Chevron, Left"

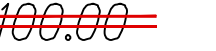
W1-8L

3


LEGEND FOR
AS-BUILT POSTINGS



Squiggly line for as-built deletion



Double line for as-built deletion



Text for as-built posting

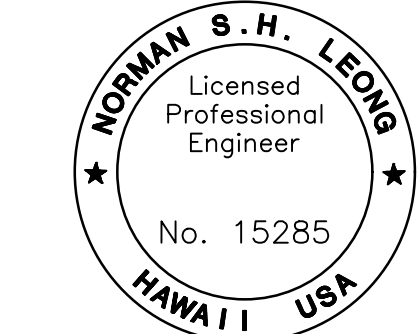
- Sign Key:
- 1

Existing Sign(s) ≠ Post(s) to Remain
- 2

Remove Existing Sign(s) ≠ Post(s)
- 3

Install New Sign(s) ≠ Post(s)
- 4

Remove Existing Sign(s) ≠ Post(s) ≠ Install New Sign(s) ≠ Post(s)



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN SCHEDULE

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
East and West of Puuwaawaa Ranch
Federal Aid Project No. HSIP-0190(018)

Scale: NTS Date: July 2022

SHEET No. 1 OF 4 SHEETS

ORIGINAL PLAN	No.	SURVEY PLOTTED BY _____	DATE _____	_____

NOTE BOOK	No.	DESIGNED BY _____	QUANTITIES BY _____	_____

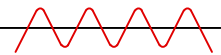
DRAWN BY _____	No.	CHECKED BY _____	_____	_____

SIGN SCHEDULE							
Sta.	Exist	New	Left	Right	Description	Sign Code	Sign Key
347+76		X		X	Chevron, Left [West]	W1-8L	3
					Chevron, Right [East]	W1-8R	3
348+89		X		X	Chevron, Left	W1-8L	3
351+16		X		X	Curve, Right	W1-2R	3
					Advisory Speed (40)	W13-1(40)	3
352+93	X		X		Curve, Right	W1-2R	2
369+49	X			X	Curve, Right	W1-2R	2
370+83		X		X	Curve, Right	W1-2R	3
					Advisory Speed (40)	W13-1(40)	3
371+44	X		X		"Buckle Up, It's the Law"		1
371+83	X			X	"Buckle Up, It's the Law"		1
373+96		X	X		Chevron, Left	W1-8L	3
374+38		X	X		Intermediate Mile Marker (21.5) [Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
375+18		X		X	Chevron, Left [East]	W1-8L	3
					Chevron, Right [West]	W1-8R	3
376+40		X	X		Chevron, Right	W1-8R	3
378+66		X		X	Curve, Left	W1-2L	3
					Advisory Speed (40)	W13-1(40)	3
378+02	X			X	Speed Reduction (35)	W3-5(35)	1
379+42	X		X		Curve, Left	W1-2L	2
379+98	X		X		State Route Marker (190)	M1-6	1
412+47	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
413+05	X			X	"Adopt a Highway Litter Control" "Next 2 Miles"		1
413+27		X	X		Chevron, Left [East]	W1-8L	3
					Chevron, Right [West]	W1-8R	3
414+07	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
414+87	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
415+67		X	X		Chevron, Left [East]	W1-8L	3
					Chevron, Right [West]	W1-8R	3
416+47	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
417+27	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
418+07	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
419+09	X		X		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
419+67		X	X		Chevron, Left [East]	W1-8L	3
					Chevron, Right [West]	W1-8R	3
420+47		X	X		Chevron, Left [East]	W1-8L	3
					Chevron, Right [West]	W1-8R	3

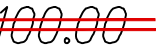
Sta. 373+96 New Left "Chevron, Right " W1-8R 3

Sta. 379+42 New Left "Chevron, Left" W1-8L 3


LEGEND FOR
AS-BUILT POSTINGS



Squiggly line for
as-built deletion

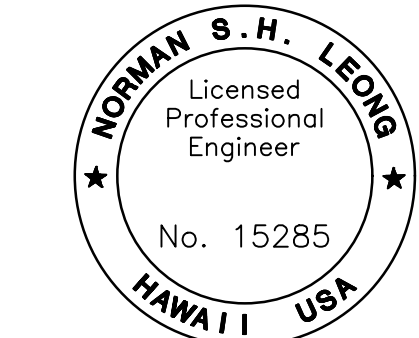


Double line for
as-built deletion



Text for as-built
posting

- Sign Key:
- ① Existing Sign(s) & Post(s) to Remain
 - ② Remove Existing Sign(s) & Post(s)
 - ③ Install New Sign(s) & Post(s)
 - ④ Remove Existing Sign(s) & Post(s) & Install New Sign(s) & Post(s)
 - ⑤ Relocate Existing Sign & Post



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Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN SCHEDULE

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
East and West of Puuwaawaa Ranch
Federal Aid Project No. HSIP-0190(018)

Scale: NTS Date: July 2022

SHEET No. 2 OF 4 SHEETS

ORIGINAL PLAN	No.	SURVEY PLOTTED BY _____	DATE _____	_____

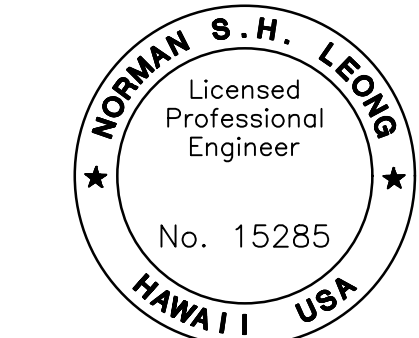
NOTE BOOK	No.	DESIGNED BY _____	QUANTITIES BY _____	_____

DRAWN BY _____	No.	CHECKED BY _____	_____	_____

SIGN SCHEDULE							
Sta.	Exist	New	Left	Right	Description	Sign Code	Sign Key
421+27	x		x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
422+04		x	x		Chevron, Right	W1-8R	3
423+04		x	x		Curve, Left	W1-2L	3
					Advisory Speed (30)	W13-1(30)	3
423+58	x			x	(Nene graphic) "Nene X-ing"		5
424+59		x		x	Curve, Right	W1-2R	3
					Advisory Speed (30)	W13-1(30)	3
425+56		x	x		Chevron, Left	W1-8L	3
426+47	x		x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
427+27	x		x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
427+54		x	x		Intermediate Mile Marker (20.5)[Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
428+07	x		x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
428+87	x		x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
429+81	x		x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
430+19	x			x	"Hill Blocks View"	W7-6	2
					Intersection	W2-2L	4
430+47		x	x		Chevron, Right	W1-8R	3
431+54		x	x		Turn, Left	W1-1L	3
					Advisory Speed (30)	W13-1(30)	3
434+52	x		x		Curve, Left	W1-2L	2
					Advisory Speed (30)	W13-1(30)	2
436+55	x			x	Side Road (Right)	W2-2R	1
440+78	x		x		Side Road (Right)	W2-2R	1
446+17	x		x		Side Road (Left)	W2-2L	1
450+72	x			x	Side Road (Left)	W2-2L	1
453+34	x		x		"Danger - Extreme Fire Hazard"		1
453+88	x		x		(Nene graphic) "Nene X-ing"		1
453+90	x			x	(Nene graphic) "Nene X-ing"		1
454+42	x		x		Mile Marker (20.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4
462+16	x		x		Side Road (Right)	W2-2R	1
466+65	x			x	Speed Limit (50)	R2-1(50)	1
466+65	x		x		Speed Limit (35)	R2-1(35)	1
474+20	x		x		Speed Reduction (35)	W3-5(35)	1
478+60		x	x		Intermediate Mile Marker (19.5)[Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
505+00	x		x		Mile Marker (19.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0190(018)	2022	40	70

- Sign Key:
- ① Existing Sign(s) ≠ Post(s) to Remain
 - ② Remove Existing Sign(s) ≠ Post(s)
 - ③ Install New Sign(s) ≠ Post(s)
 - ④ Remove Existing Sign(s) ≠ Post(s) ≠ Install New Sign(s) ≠ Post(s)



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Norman Leong

Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN SCHEDULE
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
East and West of Puuwaawaa Ranch
Federal Aid Project No. HSIP-0190(018)
Scale: NTS Date: July 2022

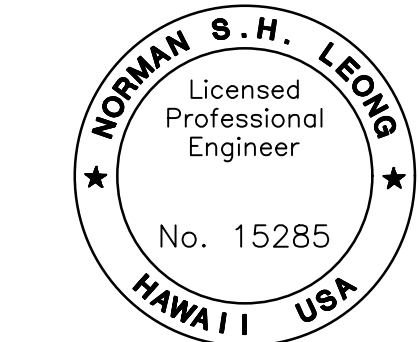
SHEET No. 3 OF 4 SHEETS

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

SIGN SCHEDULE							
Sta.	Exist	New	Left	Right	Description	Sign Code	Sign Key
505+71	x		x		"Adopt a Highway Litter Control" "Next 2 Miles"		1
507+03	x			x	"Adopt a Highway Litter Control" "Next 2 Miles"		1
530+44		x		x	Curve, Right	W1-2R	3
					Advisory Speed (40)	W13-1(40)	3
531+00		x	x		Intermediate Mile Marker (18.5) [Bi-directional]	D10-2a	3
					Route 190 Sign [Bi-directional]	D10-7	3
531+44		x	x		Chevron, Left	W1-8L	3
532+50		x	x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
533+56		x	x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
534+62		x	x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
535+68		x	x		Chevron, Left [East]	W1-8L	4
					Chevron, Right [West]	W1-8R	4
536+74		x	x		Chevron, Right [West]	W1-8L	3
536+84		x	x		Curve, Left	W1-2L	3
					Advisory Speed (40)	W13-1(40)	3
547+94		x	x		Combined Speed Limit (50/40)	R2-4a(50-40)	3
547+94		x		x	Combined Speed Limit (50/40)	R2-4a(50-40)	3
555+98	x			x	"Nene Xing"		1
556+05	x		x		"Nene Xing"		1
559+50		x		x	"End Rumble Strips"	Custom 2	3
560+19	x		x		Mile Marker (18.0) [Bi-directional]	D10-2a	4
					Route 190 Sign [Bi-directional]	D10-7	4
563+70		x	x		"Begin Rumble Strips"	Custom 1	3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0190(018)	2022	41	70

- Sign Key:
- ① Existing Sign(s) ≠ Post(s) to Remain
 - ② Remove Existing Sign(s) ≠ Post(s)
 - ③ Install New Sign(s) ≠ Post(s)
 - ④ Remove Existing Sign(s) ≠ Post(s) ≠ Install New Sign(s) ≠ Post(s)



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Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN SCHEDULE
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
East and West of Puuwaawaa Ranch
Federal Aid Project No. HSIP-0190(018)
Scale: NTS Date: July 2022

SHEET No. 4 OF 4 SHEETS