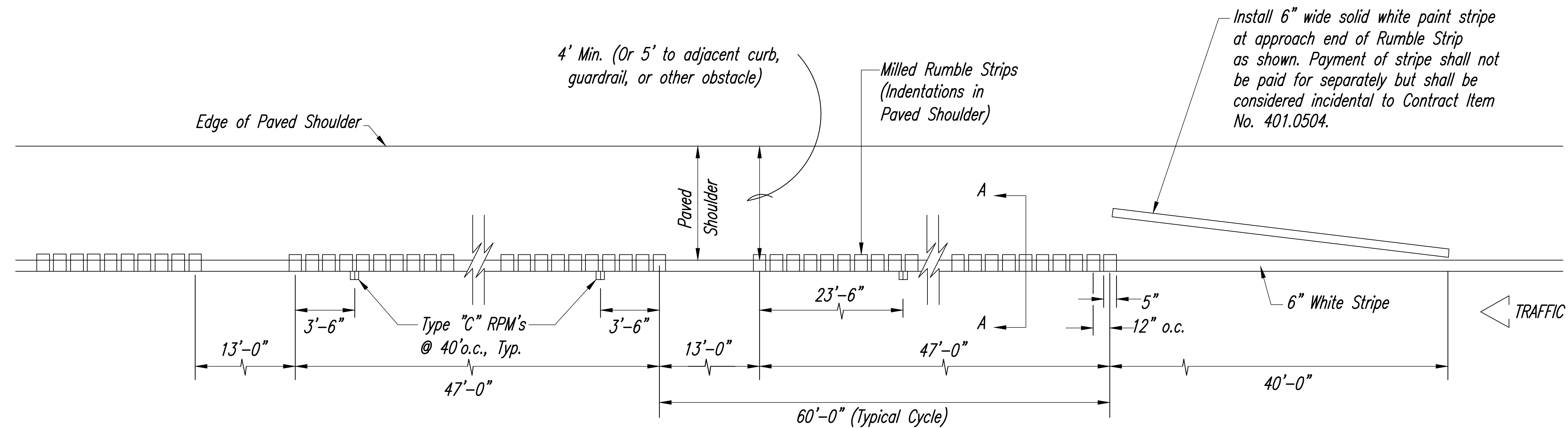
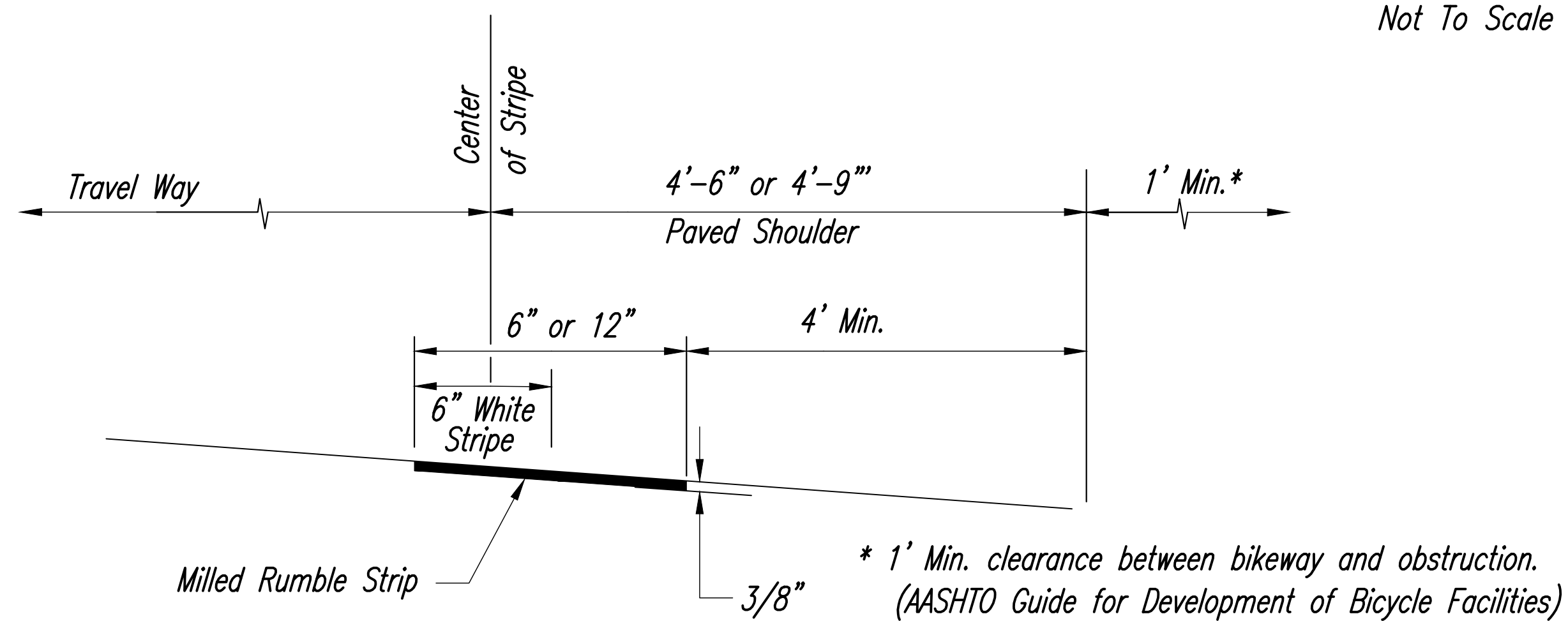


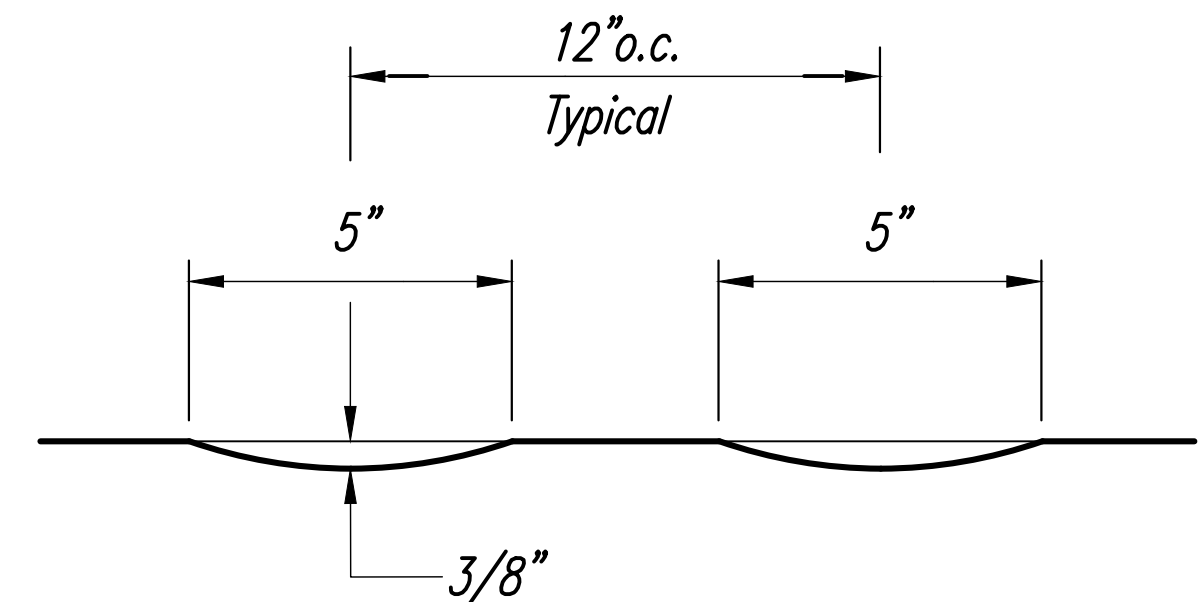
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	37	62



PLAN – BICYCLE FRIENDLY MILLED EDGELINE RUMBLE STRIP  
Not To Scale



SECTION A-A  
Not To Scale



CROSS SECTION – BICYCLE FRIENDLY MILLED EDGELINE RUMBLE STRIP  
Not To Scale

NOTES:

1. Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement markings prior to installation.
2. Raised pavement markers shall be installed on level surface between rumble strips. Do not install raised pavement markers inside the milled area.
3. Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
4. Hot spray thermoplastic shall be used for solid line markings within the milled centerline rumble strip area.
5. From Sta. 218+62 to Sta. 220+02, install 6" rumble strips to provide adequate widths and clearance from existing metal guardrail for future bikeway.

BICYCLE FRIENDLY MILLED EDGELINE RUMBLE STRIP INSTALLATION SCHEDULE (OUTSIDE SHOULDER)

EASTBOUND				WESTBOUND			
BEGIN STATION	END STATION	RUMBLE STRIPS (LF)	LENGTH (IN)	BEGIN STATION	BEGIN STATION	RUMBLE STRIPS (LF)	LENGTH (IN)
218+62	220+02	140	6 (See Note 5)	218+62	23+74	3729	12
220+02	10+67	2285	12	24+87	26+97	210	12
21+99	23+74	175	12	33+26	41+59	841	12
24+87	38+78	1377	12	43+98	48+62	459	12
43+76	48+61	493	12	81+89	86+58	470	12
76+29	79+97	368	12	99+46	107+47	802	12
90+57	105+36	1494	12	142+01	146+54	459	12
144+99	196+77	5165	12	150+34	188+00	3782	12

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



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

SIGNATURE: *R. B. Valero*  
EXPIRATION DATE OF LICENSE: 4/30/24

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

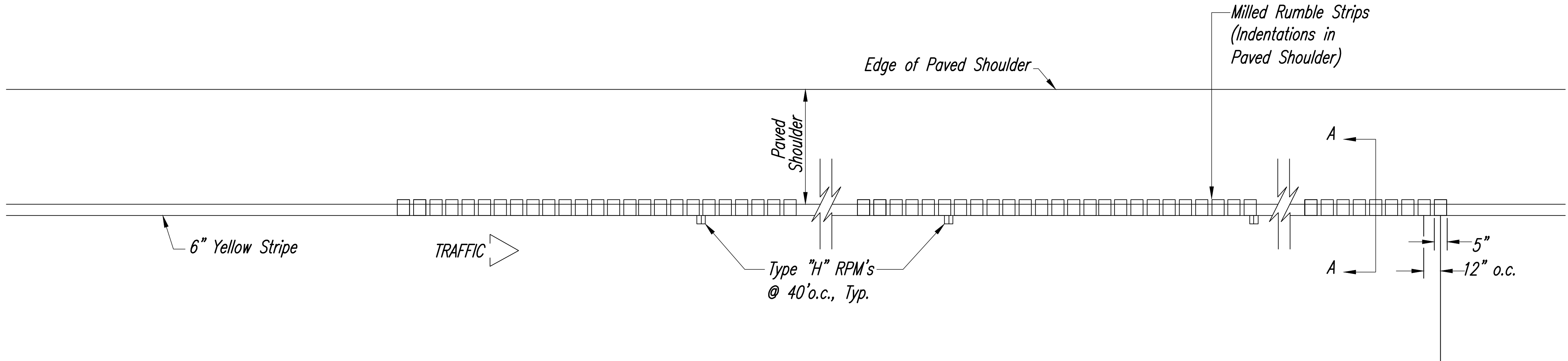
RUMBLE STRIP DETAIL – 1

FARRINGTON HIGHWAY  
SAFETY IMPROVEMENTS

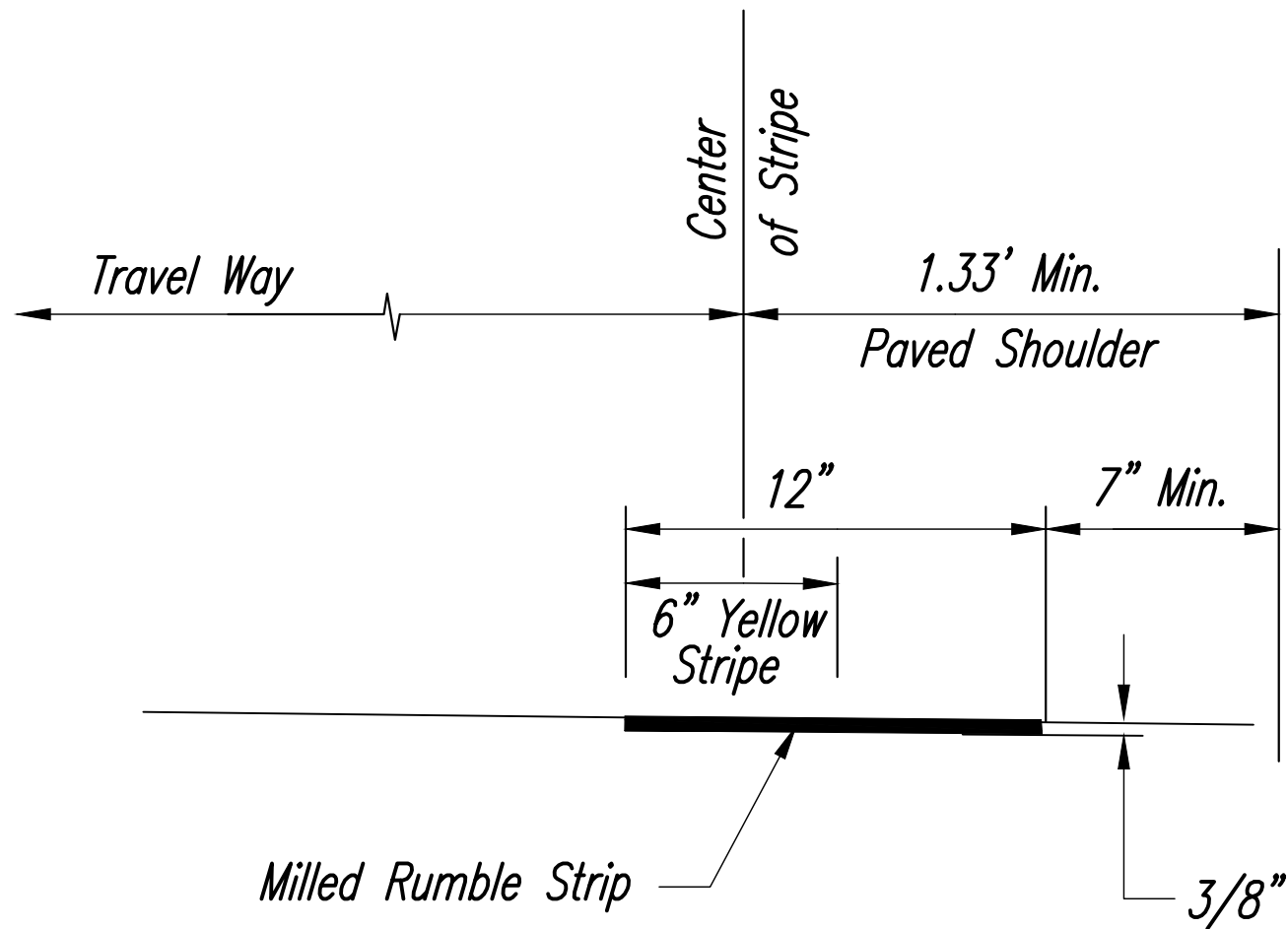
Pohakunui Avenue to Interstate H-1  
Federal Aid Project No. HSIP-093-1(031)

Date: November 2021

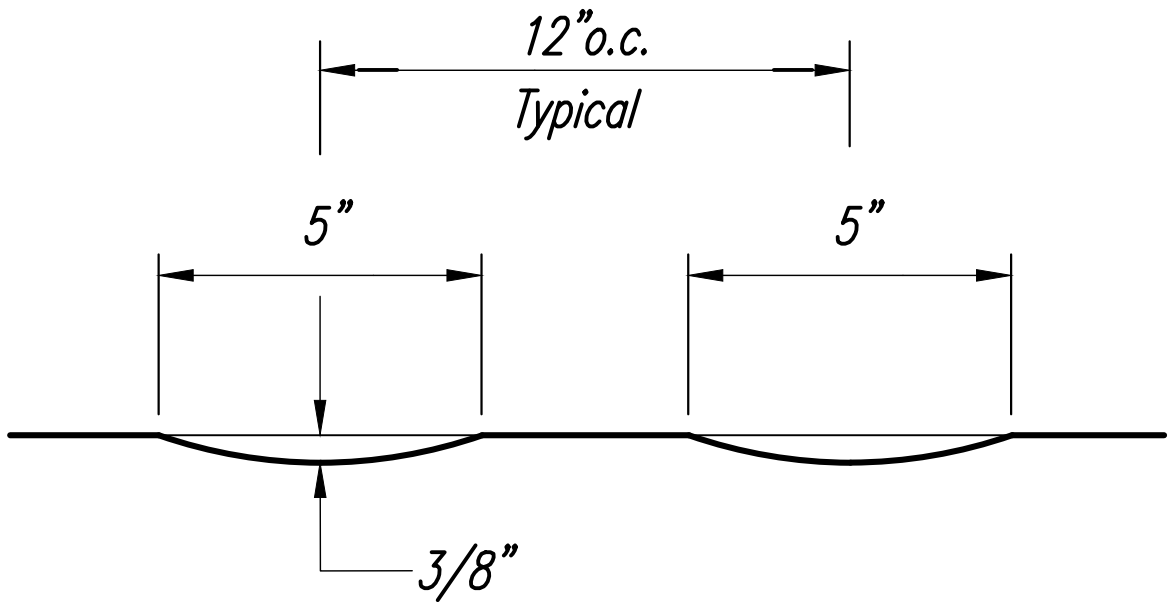
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	38	62



PLAN – CONTINUOUS MILLED SHOULDER RUMBLE STRIP  
Not To Scale



SECTION A-A  
Not To Scale



CROSS SECTION  
Not To Scale

NOTES:

1. Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement markings prior to installation.
2. Raised pavement markers shall be installed on level surface between rumble strips. Do not install raised pavement markers inside the milled area.
3. Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
4. Hot spray thermoplastic shall be used for solid line markings within the milled centerline rumble strip area.
5. Pavement shoulder width based on available topographic information. Contractor to inform the engineer if less than 1.33' of paved shoulder exists (after pavement widening).

CONTINUOUS MILLED EDGELINE RUMBLE STRIP INSTALLATION SCHEDULE (INSIDE SHOULDER)

EASTBOUND				WESTBOUND			
BEGIN STATION	END STATION	RUMBLE STRIPS (LF)	LENGTH (IN)	BEGIN STATION	END STATION	RUMBLE STRIPS (LF)	LENGTH (IN)
219+81	5+24	1759	12	219+80	5+23	1757	12
6+72	15+49	876	12	6+71	15+42	874	12
17+53	23+06	554	12	22+34	23+74	141	12
31+29	41+68	1034	12	24+87	26+97	210	12
43+56	48+62	509	12	28+94	41+67	1278	12
77+22	107+26	3011	12	46+77	48+62	185	12
142+24	144+05	181	12	76+30	107+26	3091	12
149+75	196+77	4700	12	149+75	196+75	4703	12

0 60 120 180  
SCALE: 1" = 60' FEET



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

SIGNATURE  
R. B. Valero

EXPIRATION DATE  
4/30/24  
OF LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

RUMBLE STRIP DETAIL – 2

FARRINGTON HIGHWAY  
SAFETY IMPROVEMENTS  
Pohakunui Avenue to Interstate H-1  
Federal Aid Project No. HSIP-093-1(031)

Date: November 2021