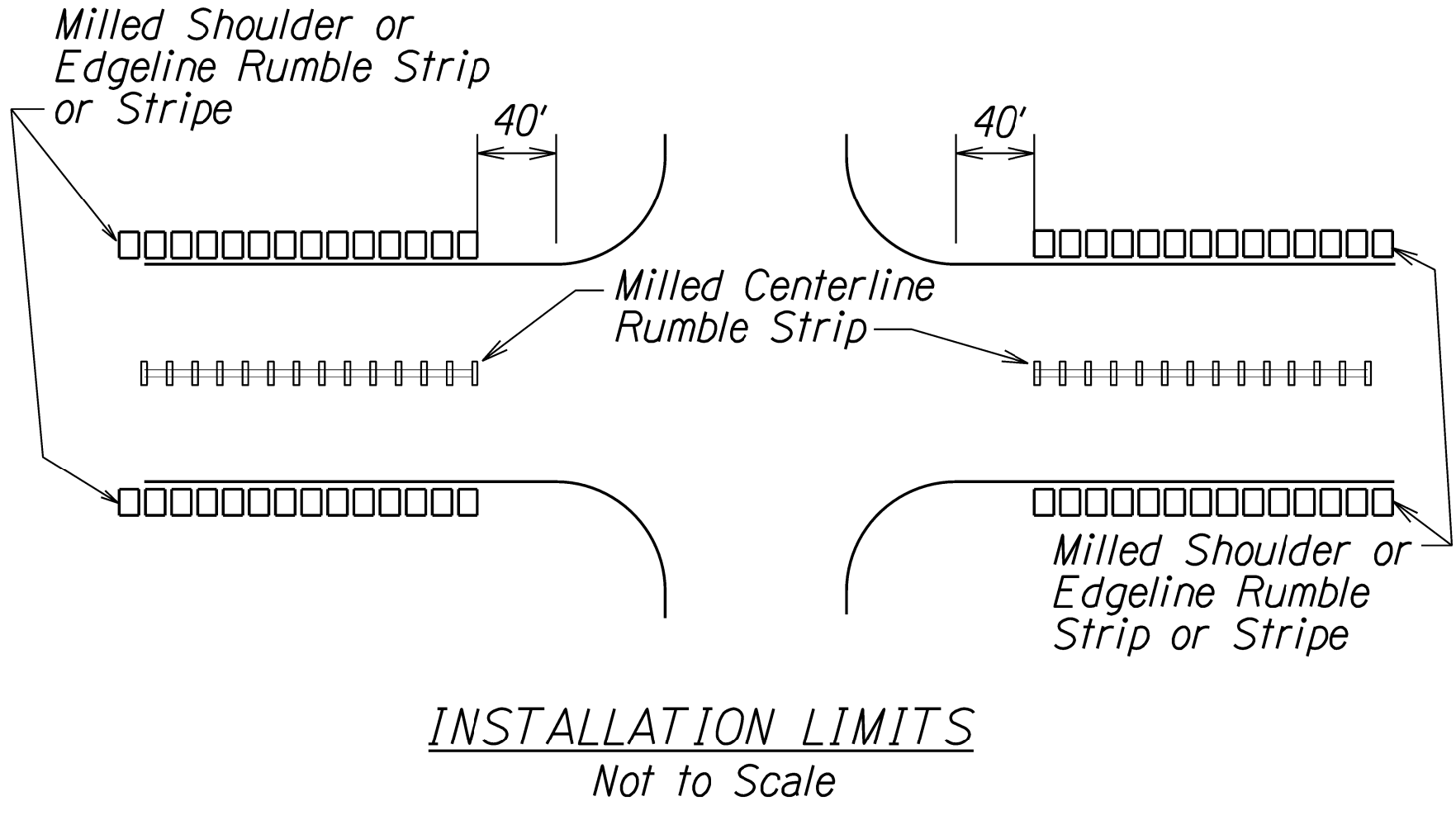
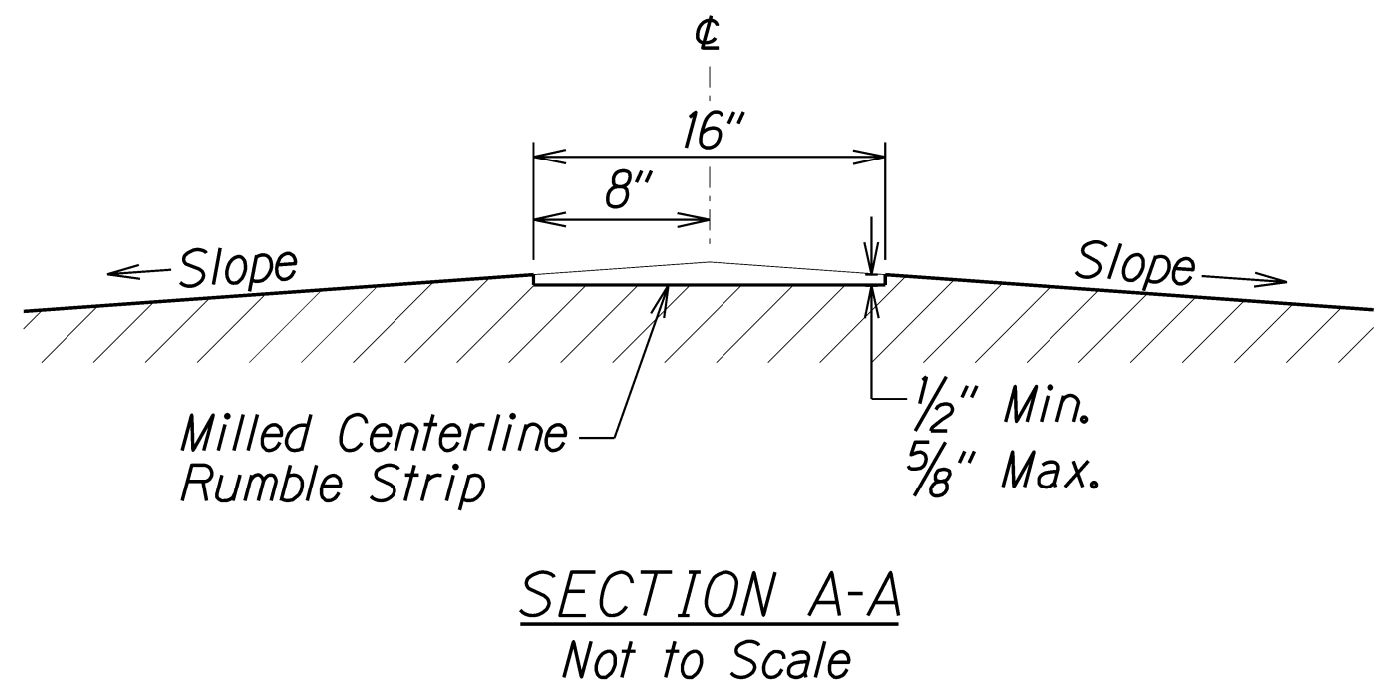
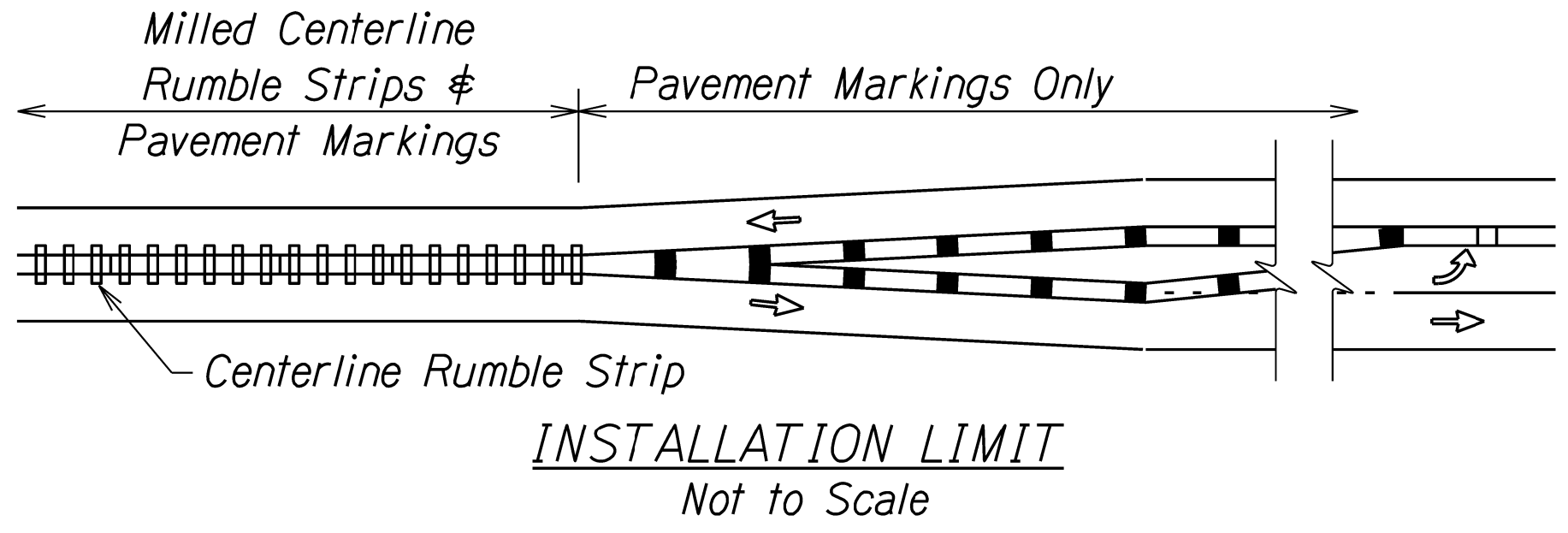
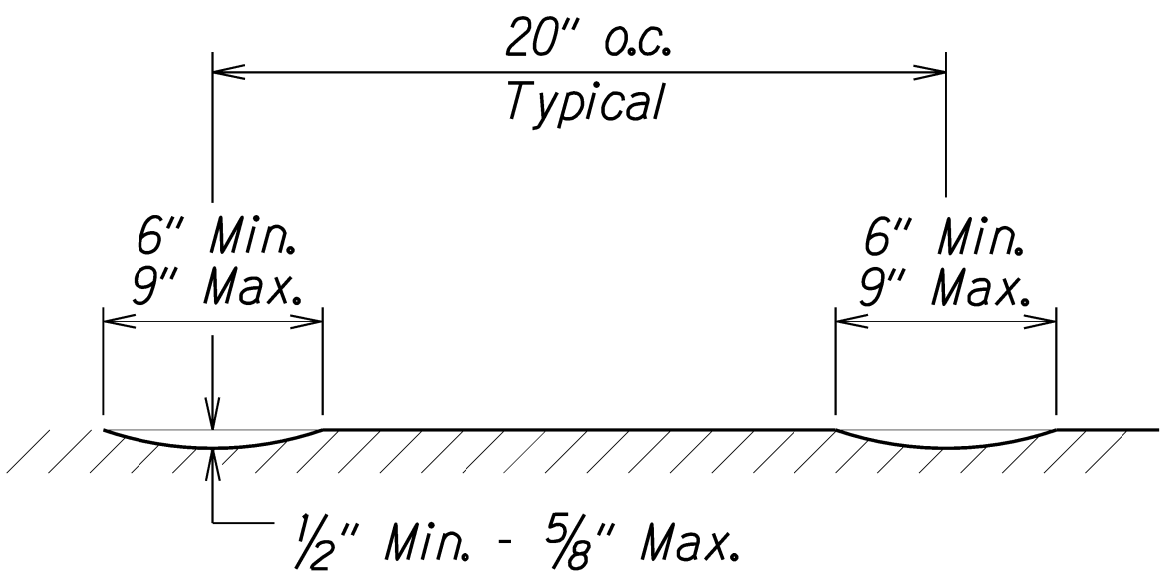
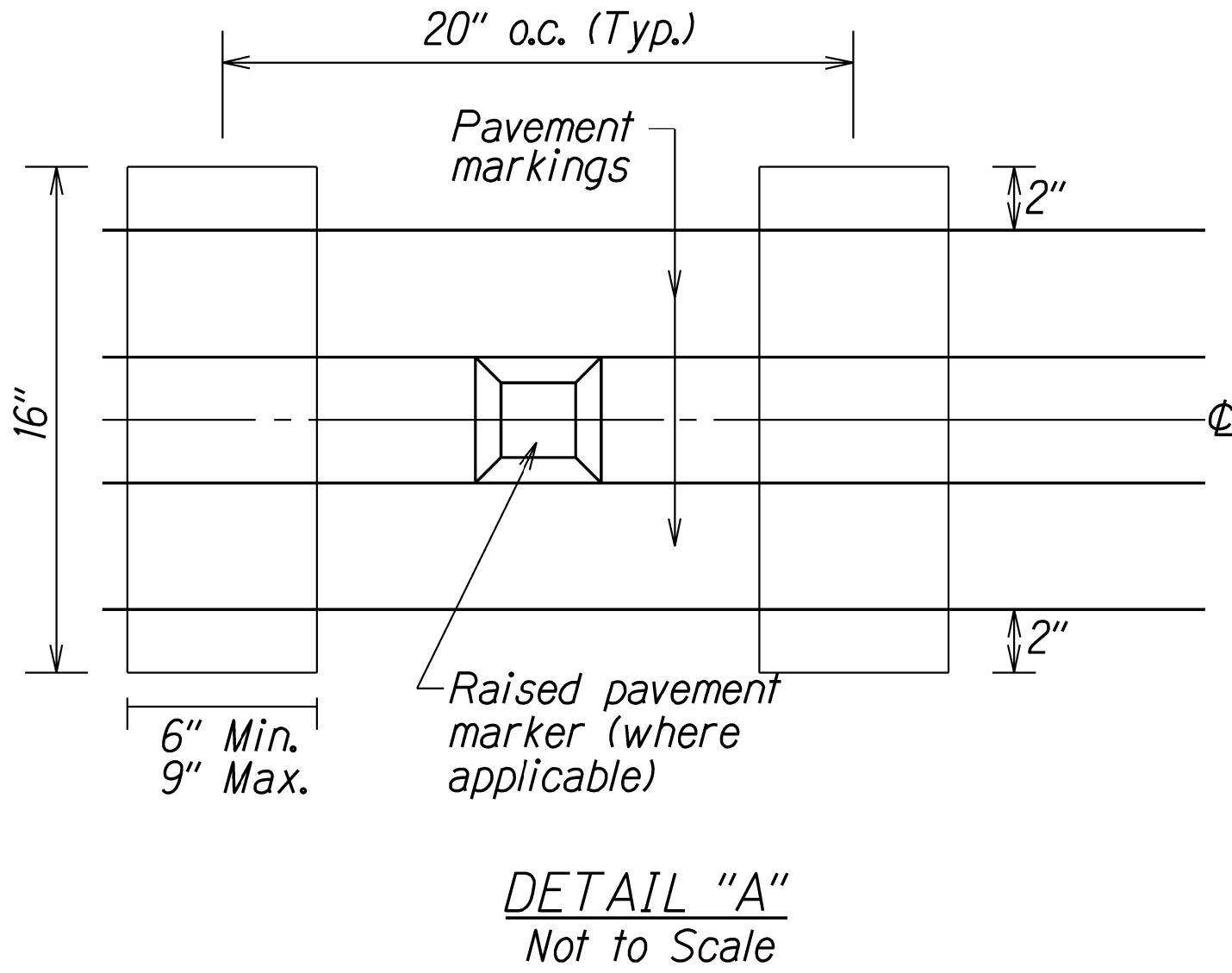
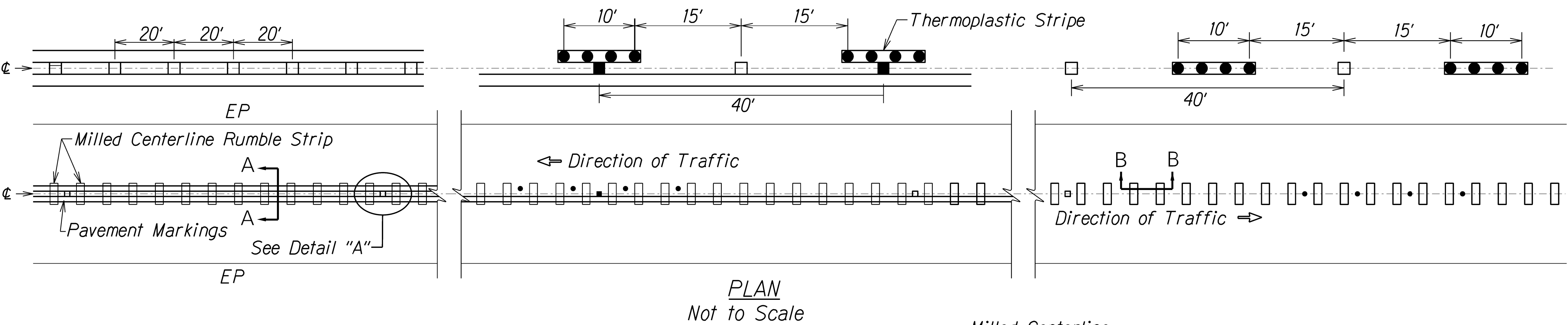


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0190(017)	2021	20	27



- 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 flat surface between the rumble strips. Do not install raised pavement markers inside the milled area.
 3. Do not install centerline rumble strips on bridge decks.
 4. Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
 5. Hot spray thermoplastic shall be used for solid line markings within the milled centerline rumble strip area.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MILLED CENTERLINE RUMBLE STRIPS
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Mile Post 3.90 to Mile Post 6.90
Federal Aid Project No. HSIP-0190(017)
Scale: Not to Scale Date: June 2020

LENNIE OKANO - KENDRICK

Licensed Professional Engineer

No. 11108-C

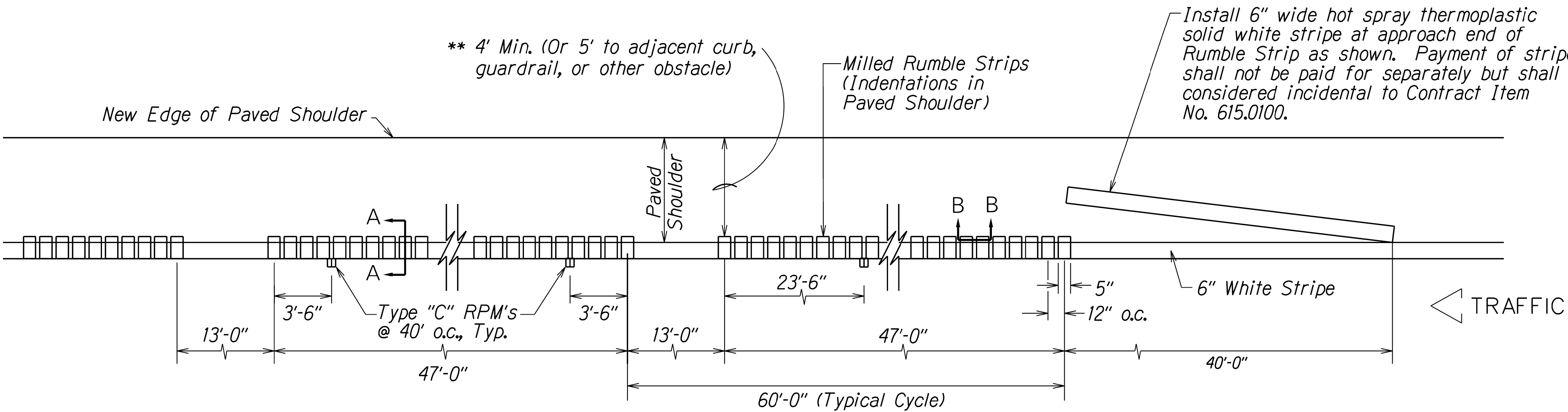
HAWAII, U.S.A.

This work was prepared by me or under my supervision.
Lennie Okano-Kendrick
Expiration Date of License 4/22

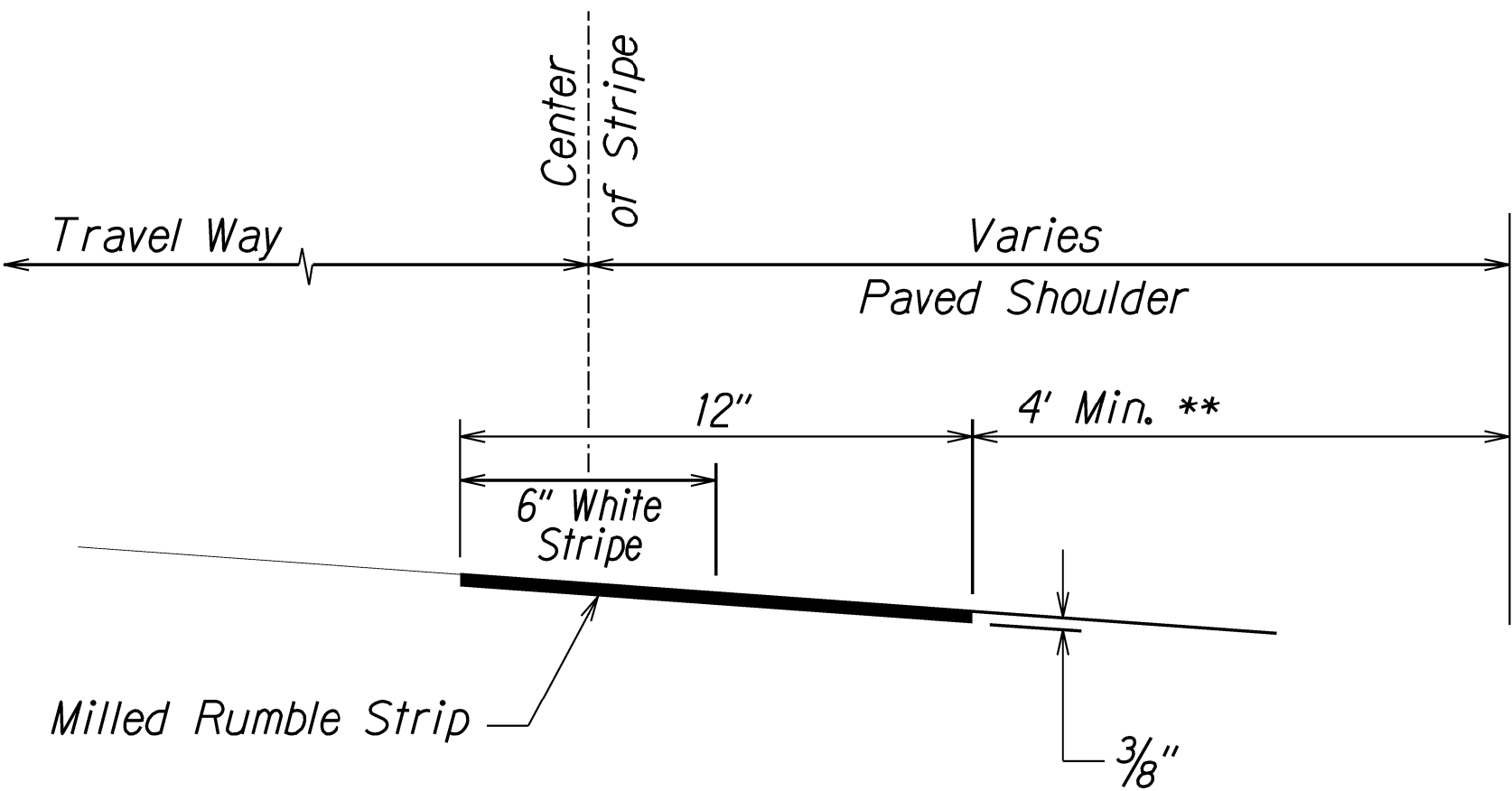
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
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MILLED CENTERLINE RUMBLE STRIPS

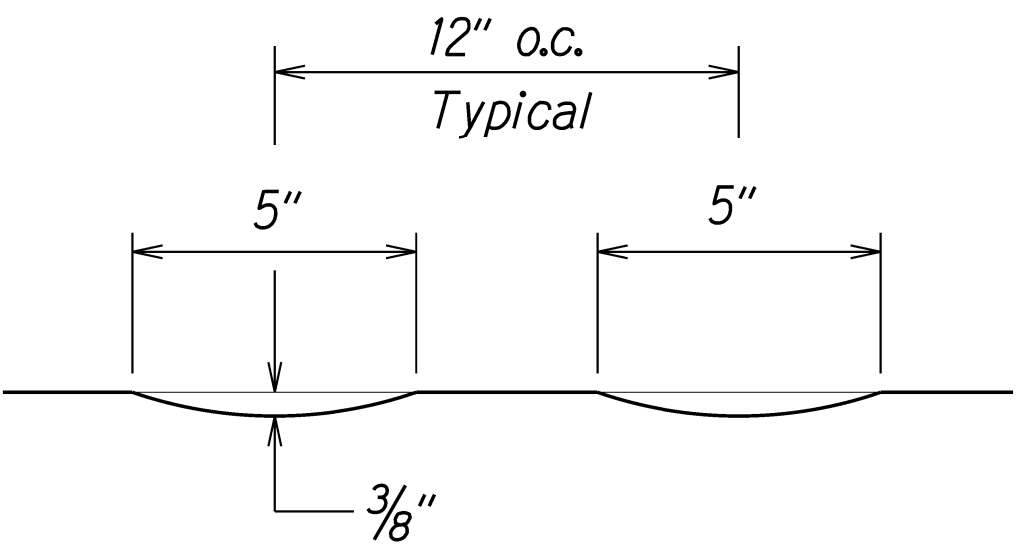
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0190(017)	2021	21	27



PLAN
Not to Scale



SECTION A-A
Not to Scale



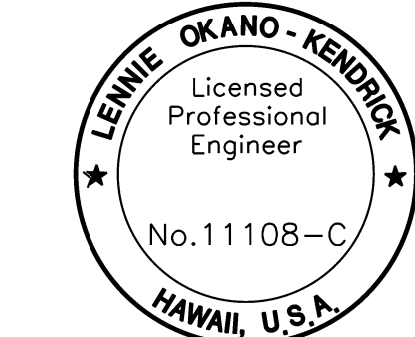
SECTION B-B
Not to Scale

NOTES:

1. Bicycle Friendly milled edgeline rumble strip shall not be installed where shoulder serves as a part time shoulder lane.
- ** 2. Bicycle Friendly milled edgeline rumble strip should not be used unless 4 feet of clear shoulder width for bicycle use is available between the rumble strips and the outer edge of the paved shoulder.
3. Do not place Type "C" markers within 2 feet of the 13 foot rumble strip opening.

BICYCLE FRIENDLY MILLED EDGELINE RUMBLE STRIPS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
N ₁	DESIGNED BY	
	CHECKED BY	



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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
BICYCLE FRIENDLY MILLED EDGELINE RUMBLE STRIPS
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Mile Post 3.90 to Mile Post 6.90
Federal Aid Project No. HSIP-0190(017)
 Scale: Not to Scale Date: June 2020