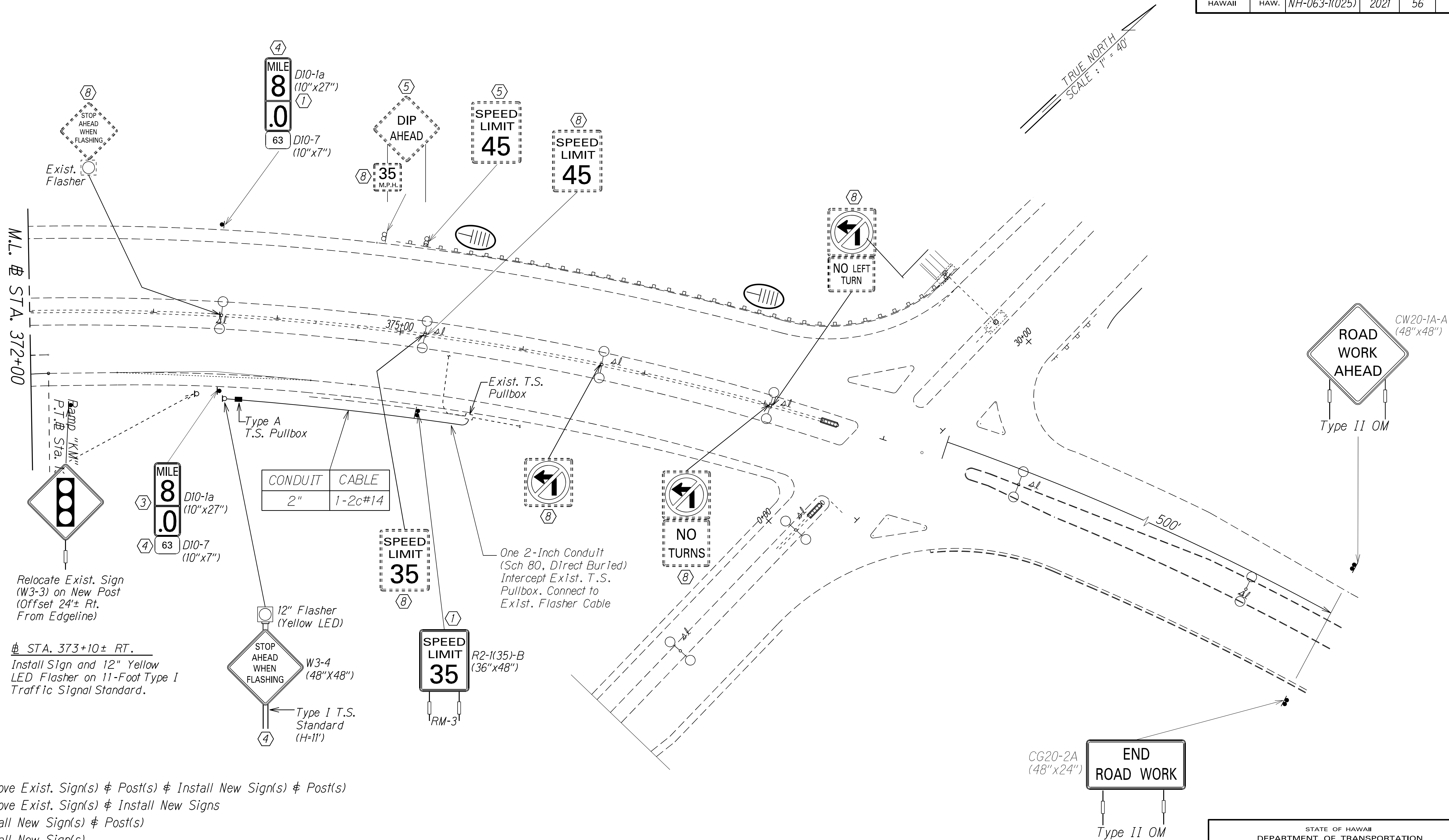


| FED. ROAD DIST. NO. | STATE | FED-AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII | HAW. | NH-063-1(025) | 2021 | 56 | 60 |



KEY:

- ① Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
- ② Remove Exist. Sign(s) & Install New Signs
- ③ Install New Sign(s) & Post(s)
- ④ Install New Sign(s)
- ⑤ Exist. Sign(s) & Post(s) to Remain
- ⑥ Remove Exist. Sign(s) & Install New Sign(s) on Exist. Brackets Mounted on Tunnel Wall
- ⑦ Remove Exist. Sign(s) on Exist. Hwy. Lighting Pole & Install New Sign(s) on Exist. Hwy. Lighting Pole
- ⑧ Exist. Sign(s) to Remain
- ⑨ Remove Exist. Sign(s)

RM-5 Delineator
See plan notes on
Plan Sheet No. T22.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

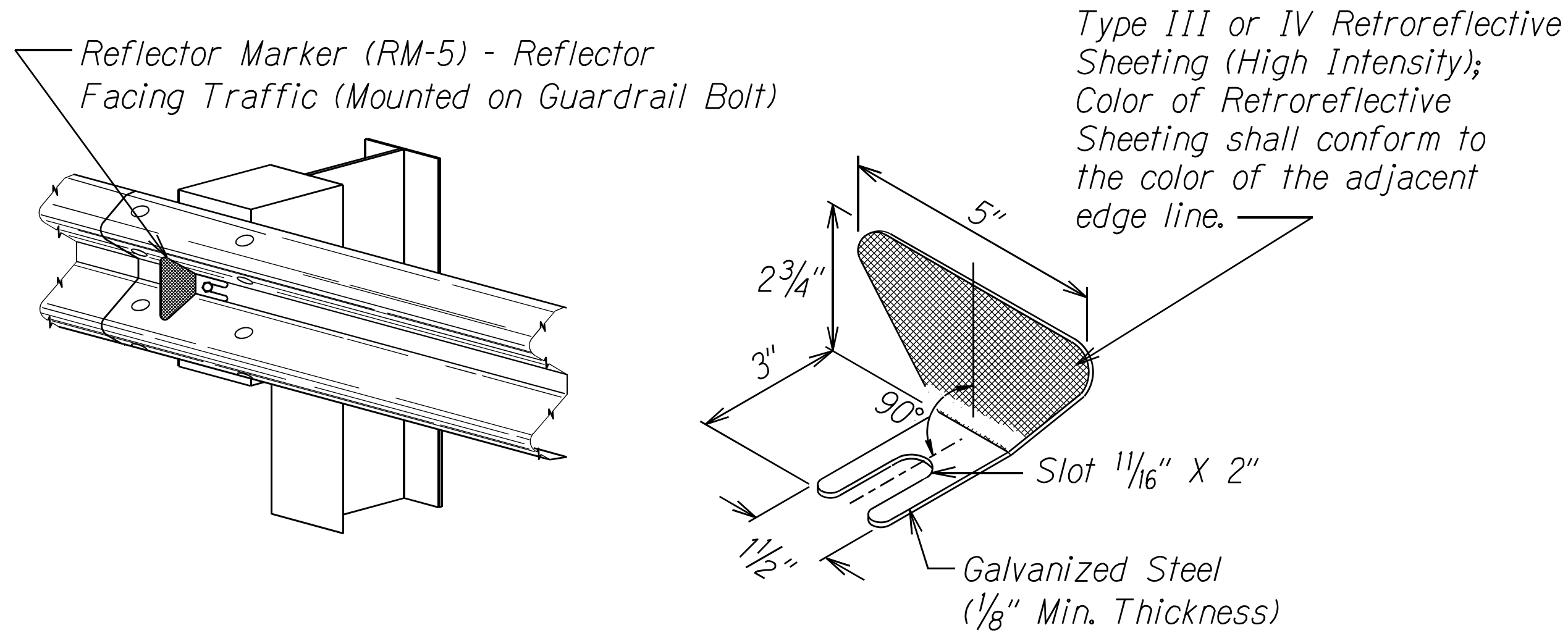
PAVEMENT MARKING & SIGNING PLAN

LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS
Emmeline Place to Kahekili Highway
Federal-Aid Project No. NH-063-1(025)

Scale: 1"0" = 40.0' Date: March 2021

SHEET No. T21 OF 25 SHEETS

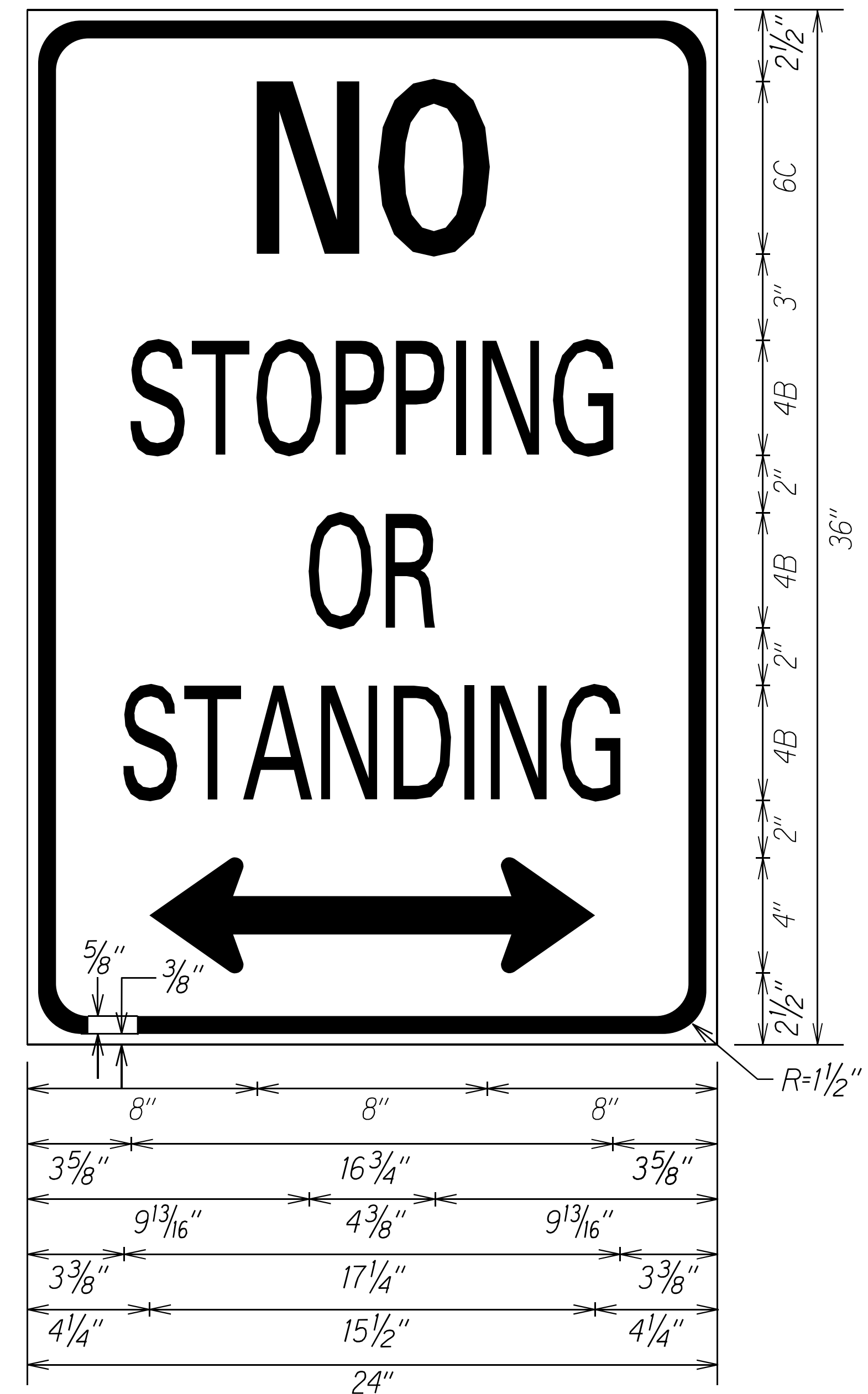
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | NH-063-1(025) | 2021 | 57 | 60 |



REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION

Note:

Reflector Markers (RM-5) mounted on guardrails shall be spaced every 25 feet. RM-5's shall not be installed on Terminal Sections. Furnishing and installing of each RM-5 shall be paid for under Contract Item No. 632.4200 - Reflector Marker (RM-5) mounted on new and existing guardrail. The Contractor shall be responsible for mounting RM-5's on all new and existing metal guardrails even when not shown on plans.



R7-4
Red on White

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SIGN DETAILS

LIKELIKE HIGHWAY

SAFETY IMPROVEMENTS

Emmeline Place to Kahekili Highway

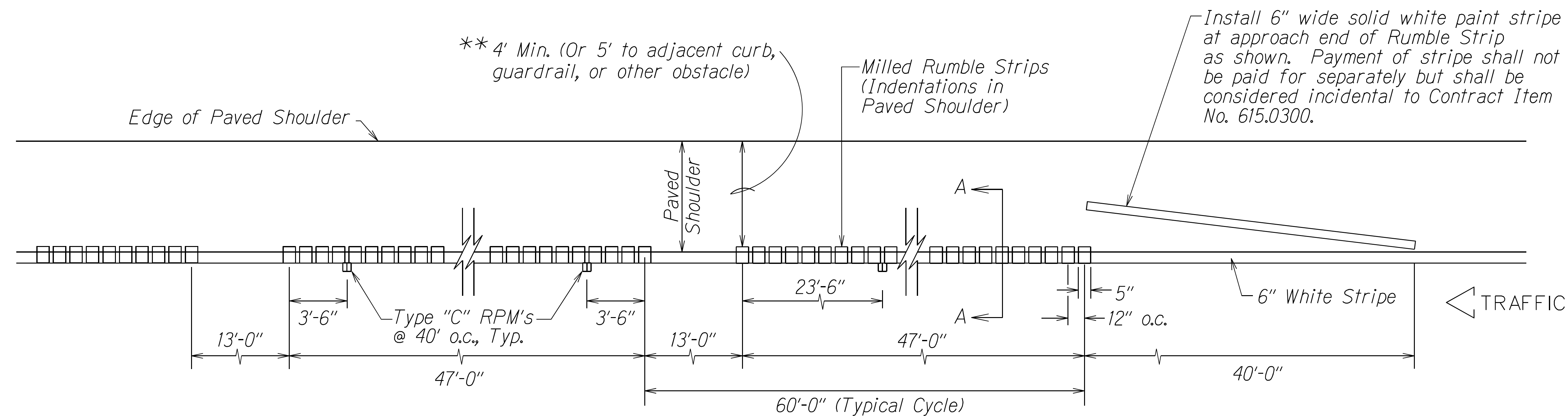
Federal-Aid Project No. NH-063-1(025)

Not to Scale

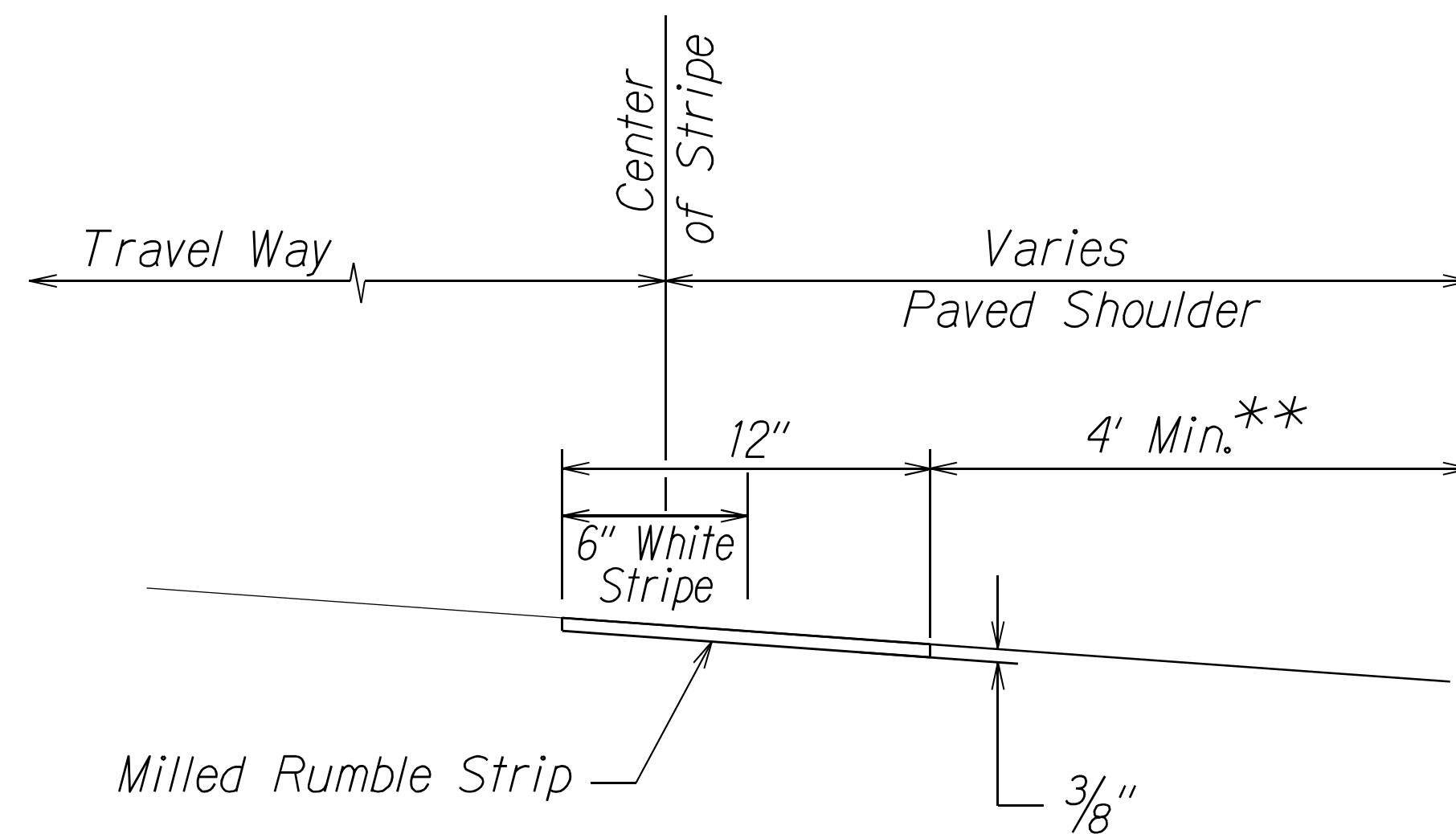
Date: March 2021

| | | |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK | DESIGNED BY | |
| No. 817msd | QUANTITIES BY | |
| | CHECKED BY | |

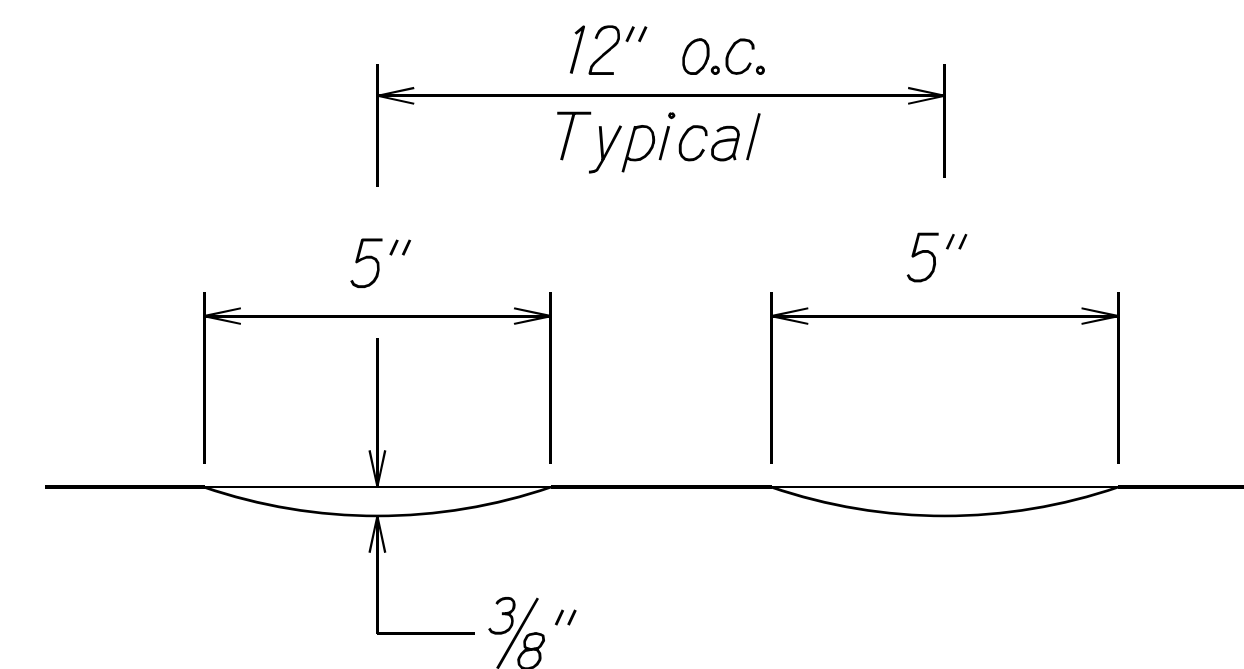
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|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII | HAW. | NH-063-1(025) | 2021 | 58 | 60 |



PLAN
Not to Scale



SECTION A-A
Not to Scale



CROSS SECTION
Not to Scale

NOTES:

1. Edgeline milled rumble strip shall not be installed where shoulder serves as a part time shoulder lane.
- ** 2. Bicycle Friendly edgeline milled 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.
4. The construction of the edgeline rumble shall be paid for under Item No. 615.0300 - 12-inch Milled Rumble Strip, Edgeline.
5. The milling apparatus will not be paid for separately and shall be considered incidental to the various Milled Rumble Strip items.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**EDGE LINE MILLED RUMBLE
STRIP DETAILS**

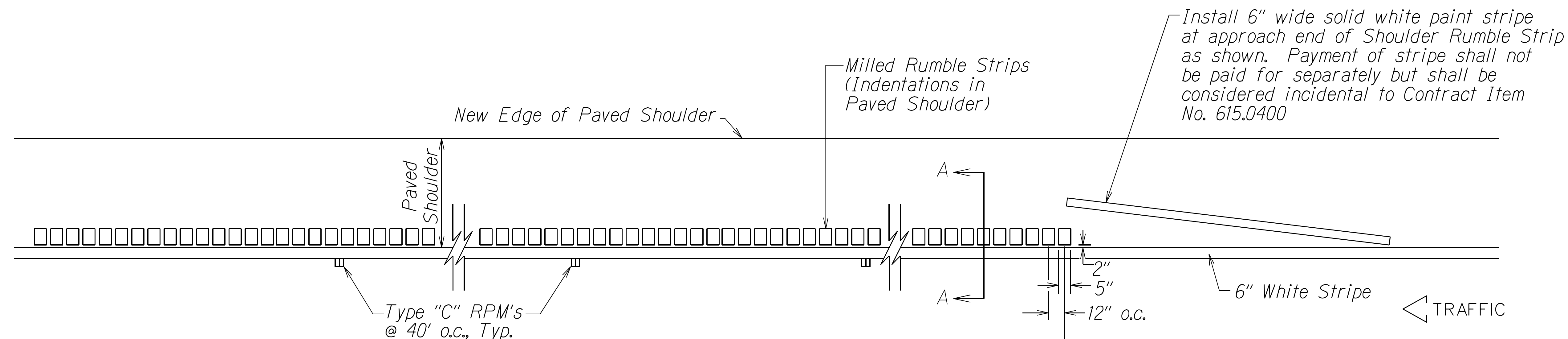
LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS

Emmeline Place to Kahekili Highway
Federal-Aid Project No. NH-063-1(025)

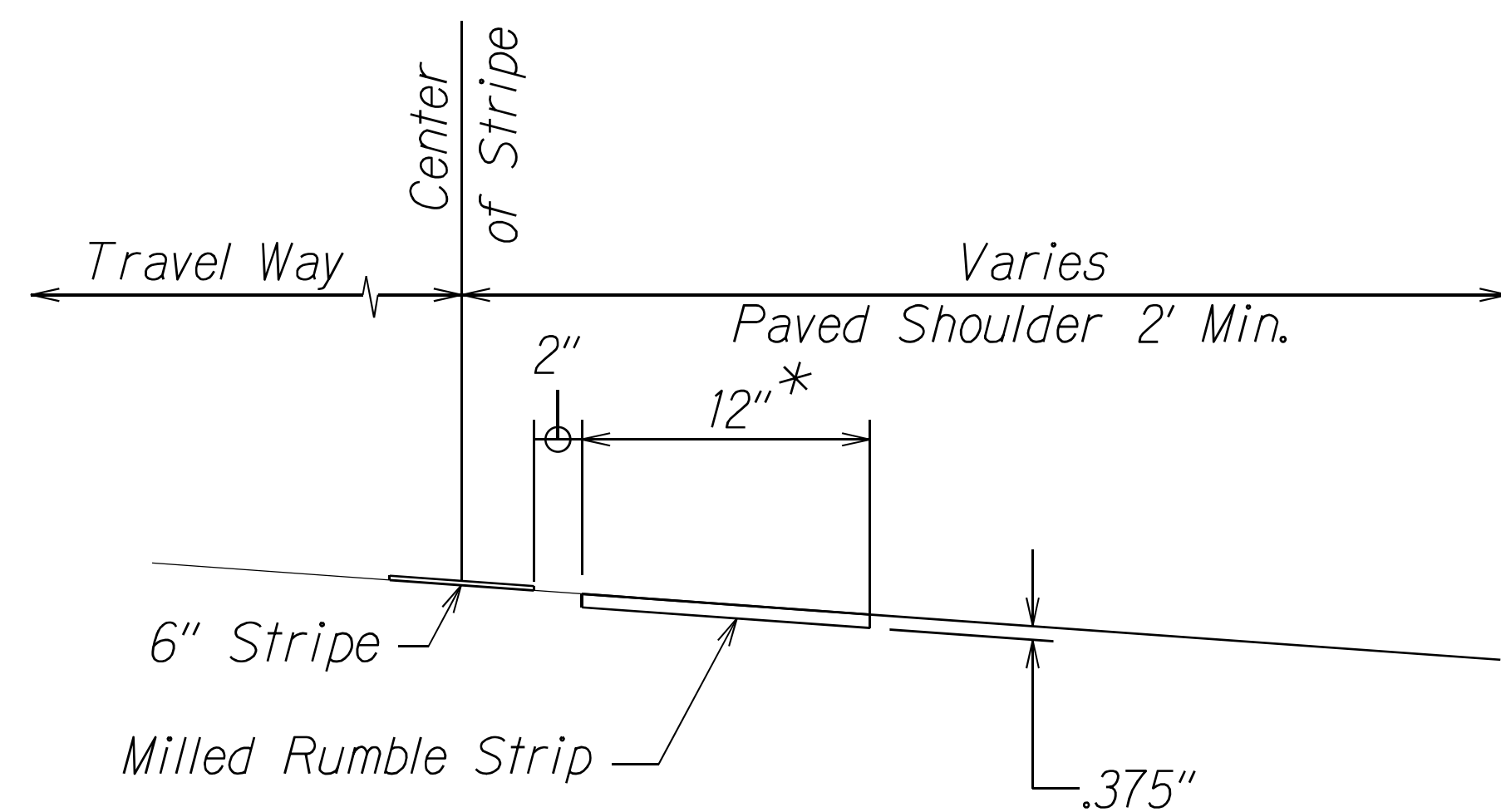
Scale: As Shown Date: March 2021

SHEET No. T23 OF 25 SHEETS

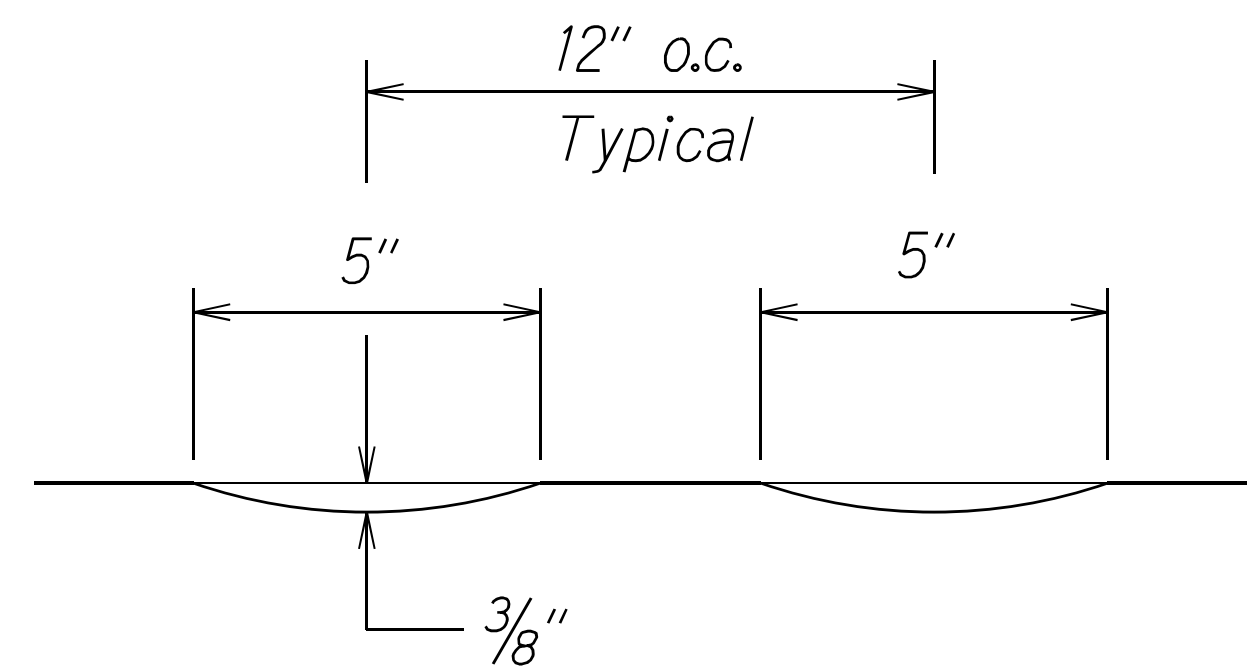
| | | | | | |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII | HAW. | NH-063-1(025) | 2021 | 59 | 60 |



PLAN - CONTINUOUS SHOULDER MILLED RUMBLE STRIP
Not to Scale



SECTION A-A
Not to Scale



CROSS SECTION - CONTINUOUS
SHOULDER MILLED RUMBLE STRIP
Not to Scale

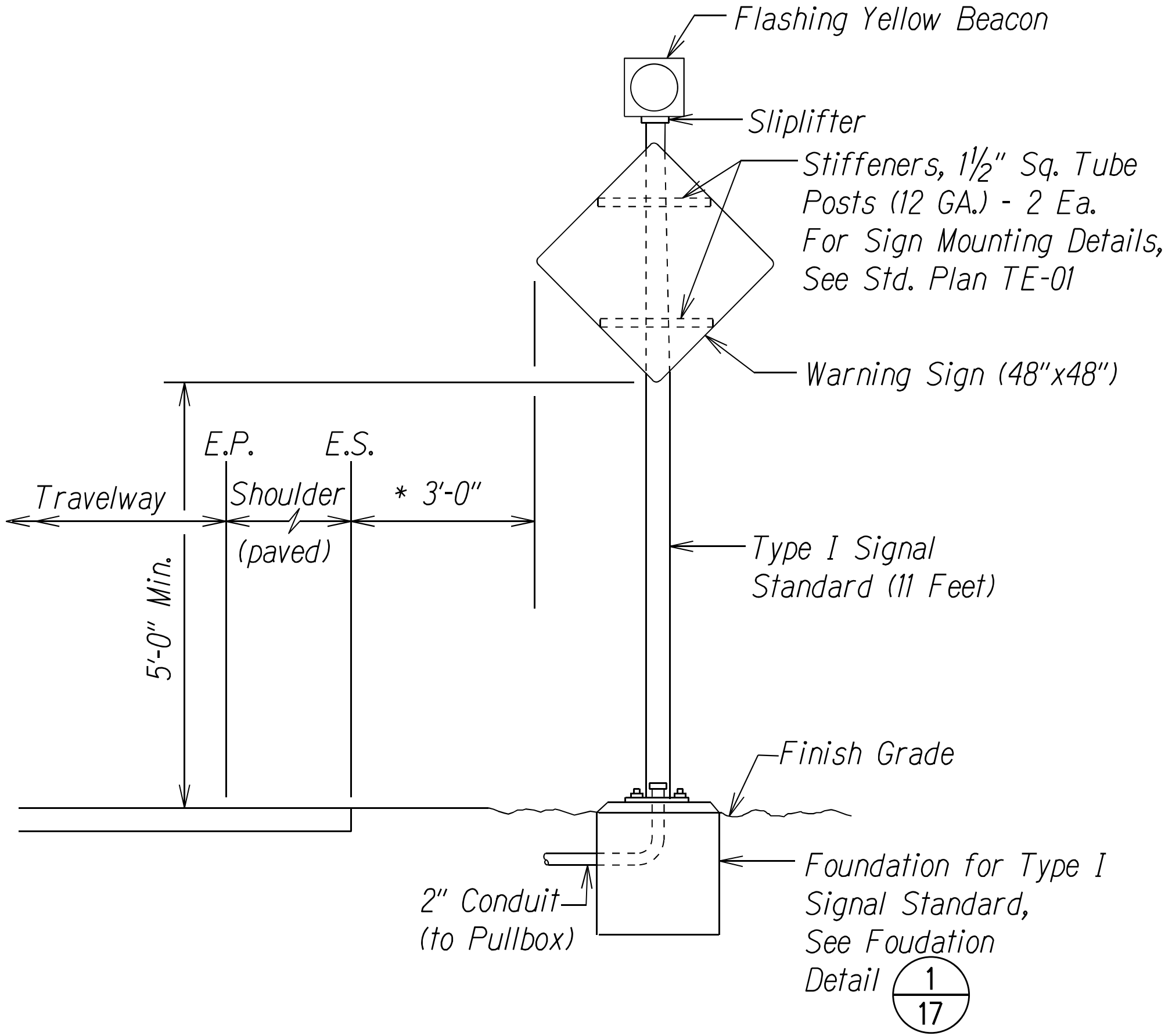
NOTES:

1. Continuous shoulder milled rumble strip shall not be installed where shoulder serves as a part time shoulder lane.
- *2. Length of rumble strip may be reduced from 12" to 6" minimum where needed to meet clearance. Designer is required to coordinate with HWY-T for shoulder milled rumble strip design that is less than 12" in length.
3. Continuous shoulder milled rumble strips should not be installed where paved shoulder is less than 2 feet.
4. The construction of the Shoulder Rumble Strip shall be paid for under Item No. 615.0400 - 12-inch Milled Rumble Strip, Shoulder.
5. The milling apparatus will not be paid for separately and shall be considered incidental to the various Milled Rumble Strip items.

CONTINUOUS SHOULDER MILLED RUMBLE STRIPS
DIVIDED HIGHWAY MEDIAN SHOULDER

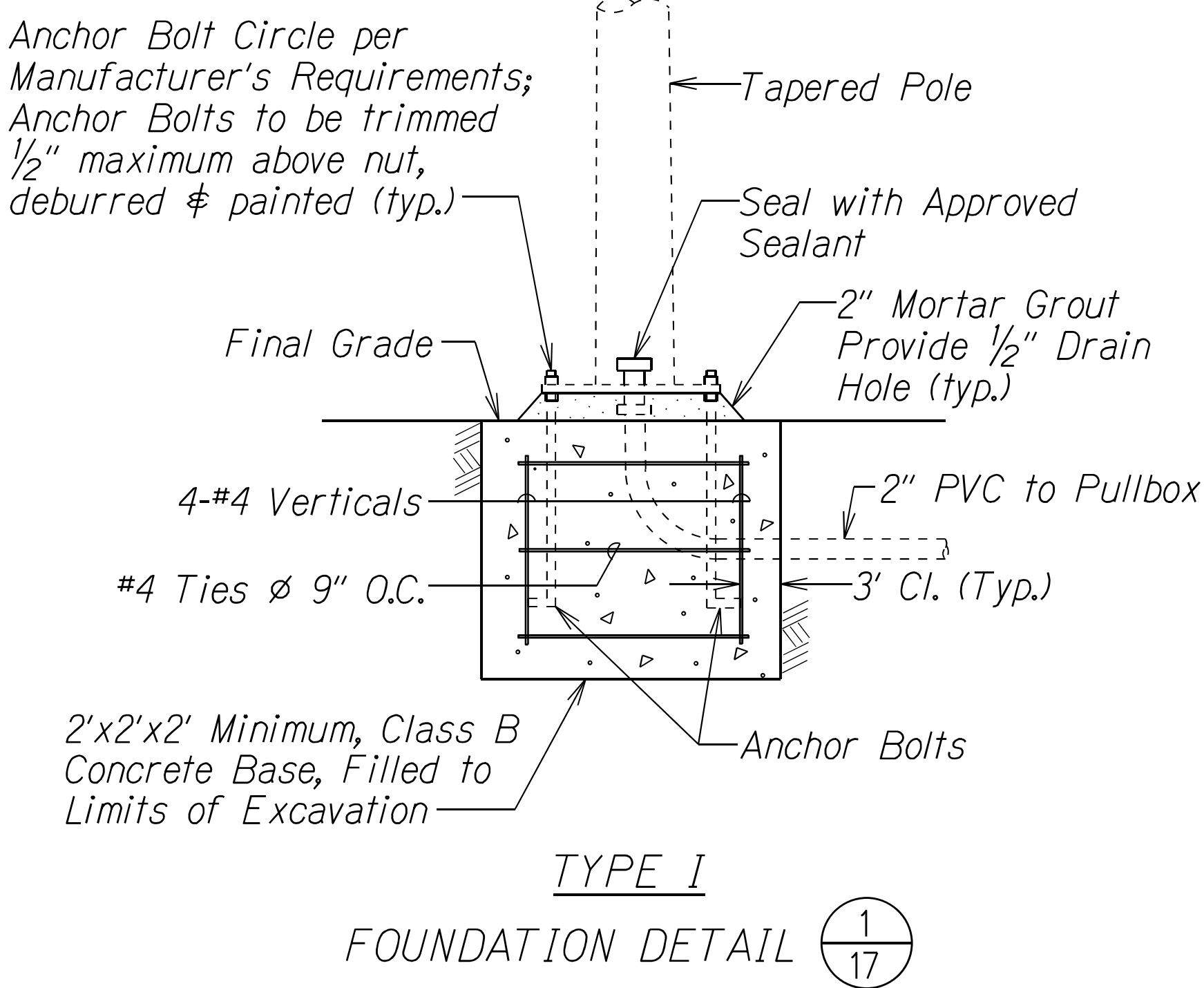
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**SHOULDER MILLED RUMBLE
STRIP DETAILS**
**LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS**
Emmeline Place to Kahekili Highway
Federal-Aid Project No. NH-063-1(025)
Scale: As Shown Date: March 2021
SHEET No. T24 OF 25 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | NH-063-1(025) | 2021 | 60 | 60 |



* 3'-0" minimum clearance from edge of paved shoulder at areas with no guardrail.

FLASHING YELLOW BEACON
WITH WARNING SIGN
Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL SYSTEM DETAILS

LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS
Emmeline Place to Kahekili Highway
Federal-Aid Project No. NH-063-1(025)
Scale: As Shown Date: March 2021

SHEET No. T25 OF 25 SHEETS