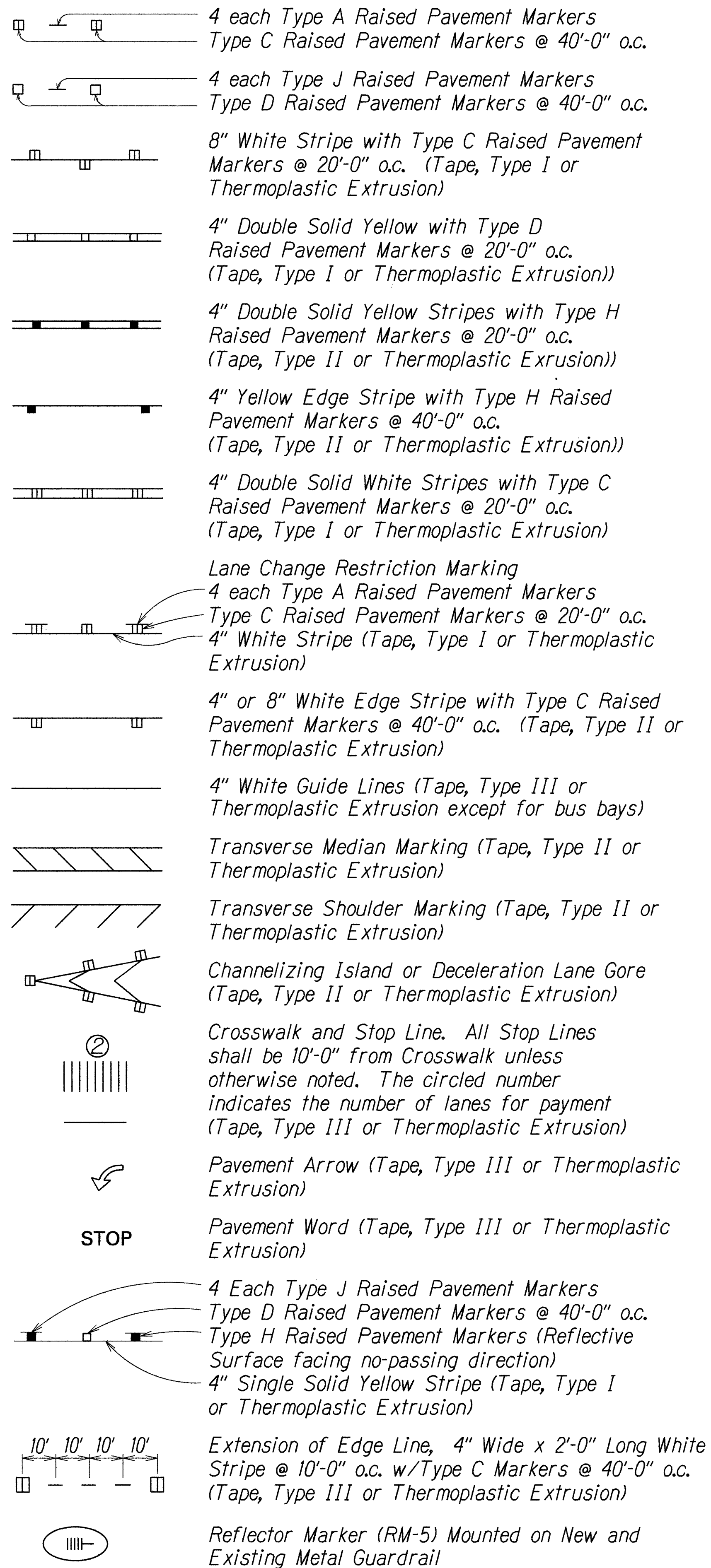


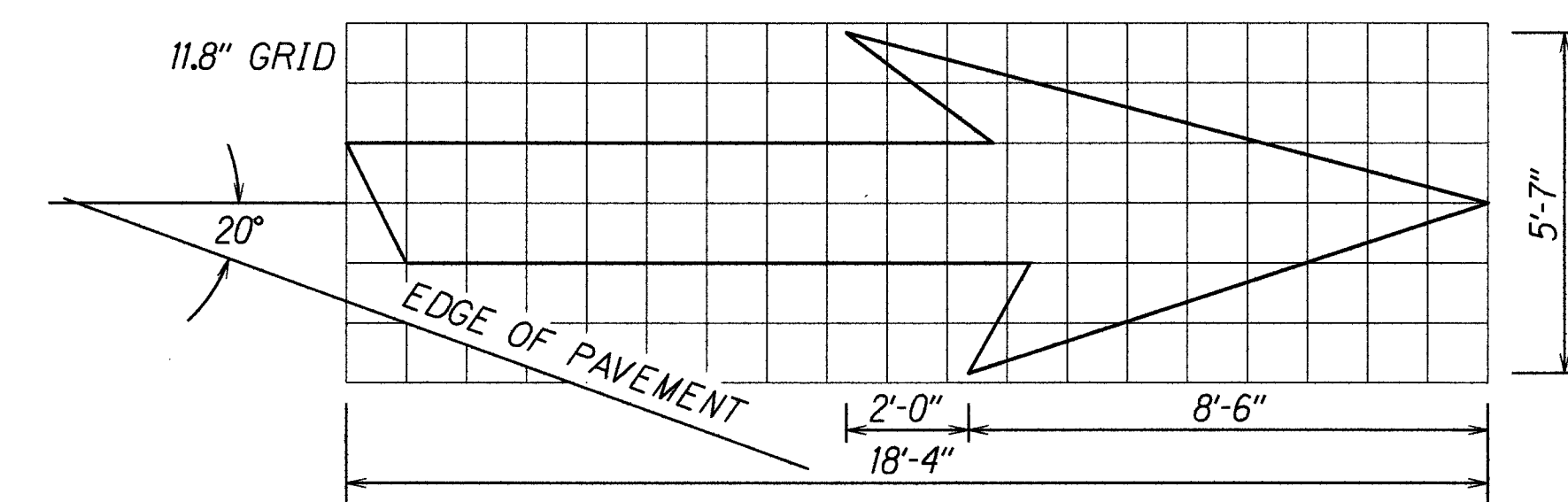
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-1(45)	2019	32	48

LEGEND

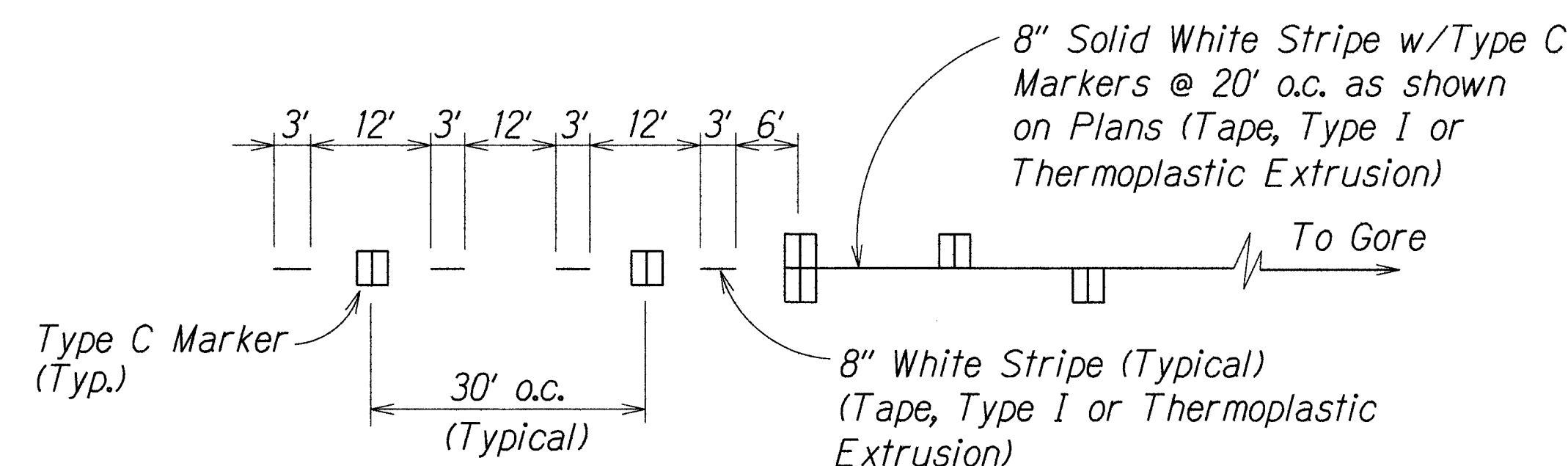


NOTES

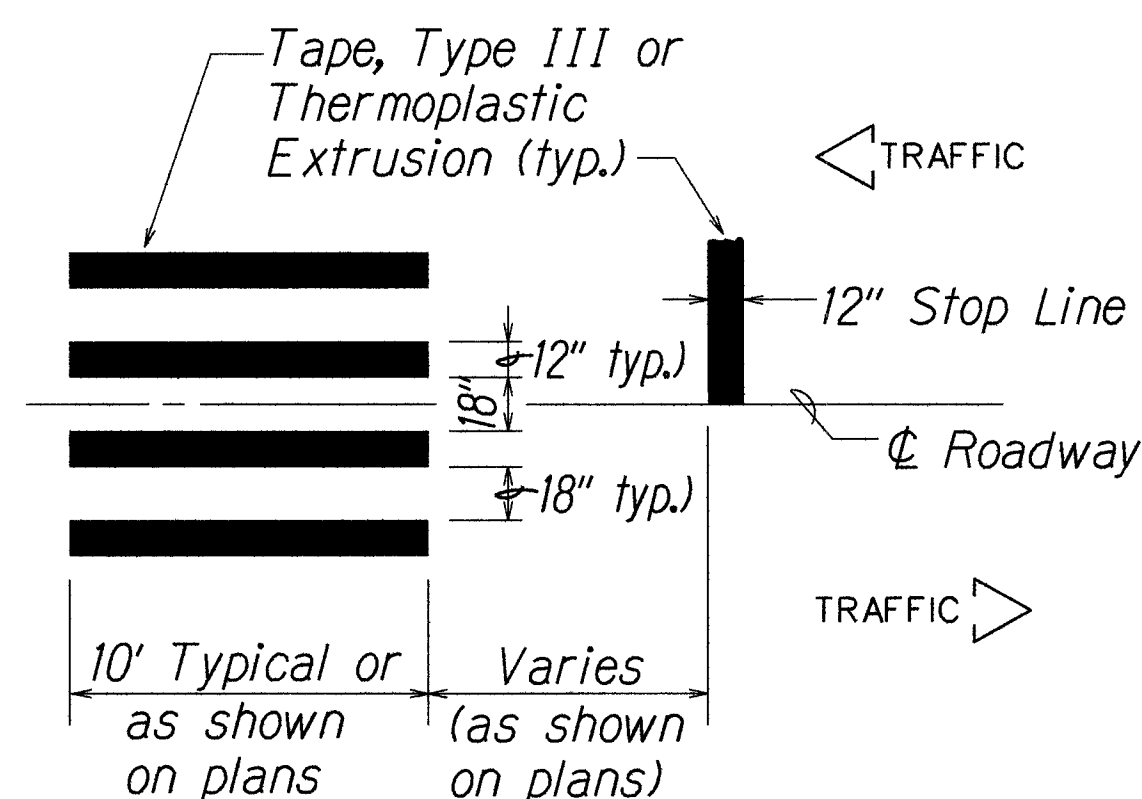
1. *Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.*
2. *Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.*
3. *Raised pavement markers shall not be installed within crosswalks.*
4. *Final locations of all signs shall be approved by the Engineer prior to any installation work.*
5. *Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.*
6. *Final locations of all Stop Lines shall be approved by the Engineer prior to installation.*
7. *All pavement striping shall be as noted on the legend or plans.*
8. *All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.*
9. *All Pedestrian warning signs with supplemental sign shall be on a fluorescent yellow-green retroreflective background with a legend and border.*



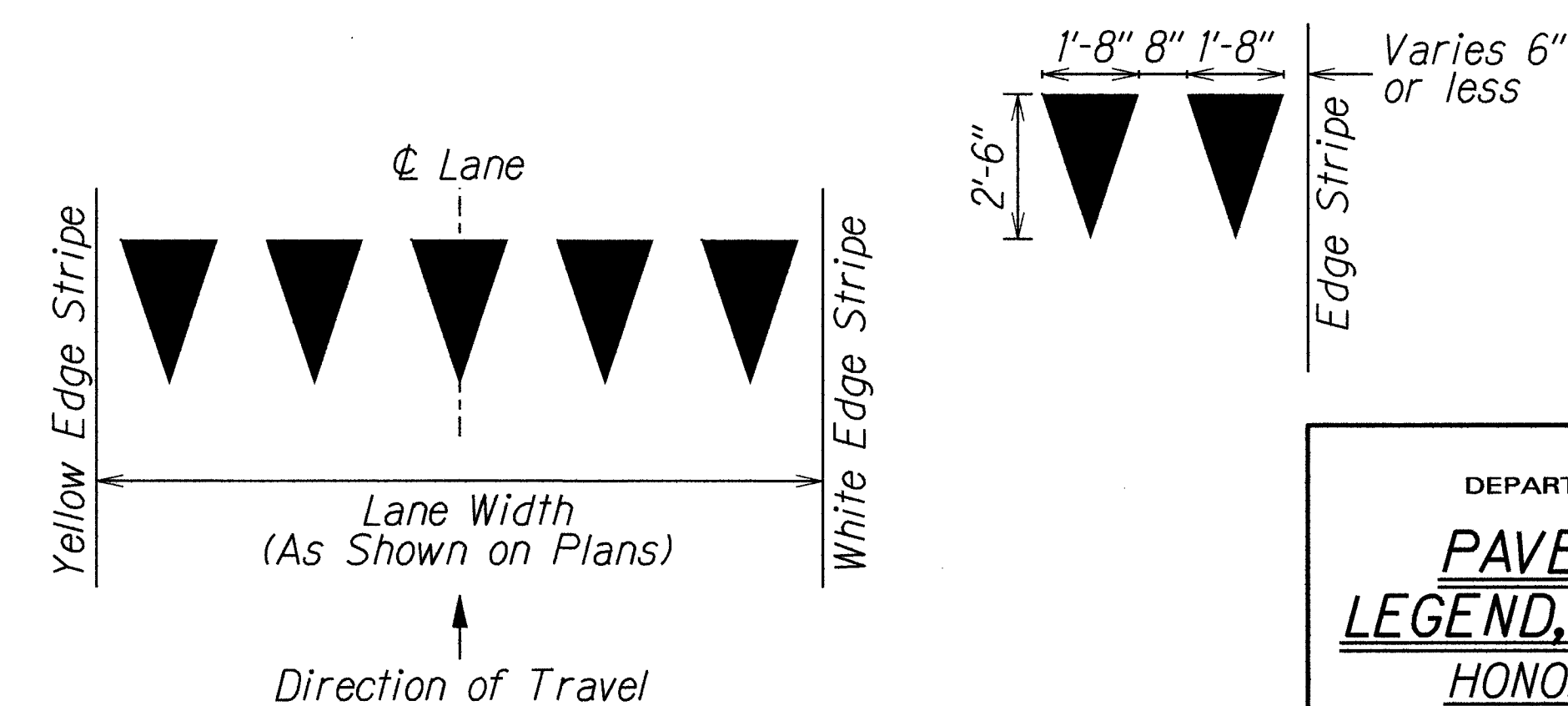
TYPE VI ARROW
RIGHT LANE DROP ARROW
(FOR LEFT LANE,
USE MIRROR IMAGE)



LANE DROP MARKING
Not to Scale



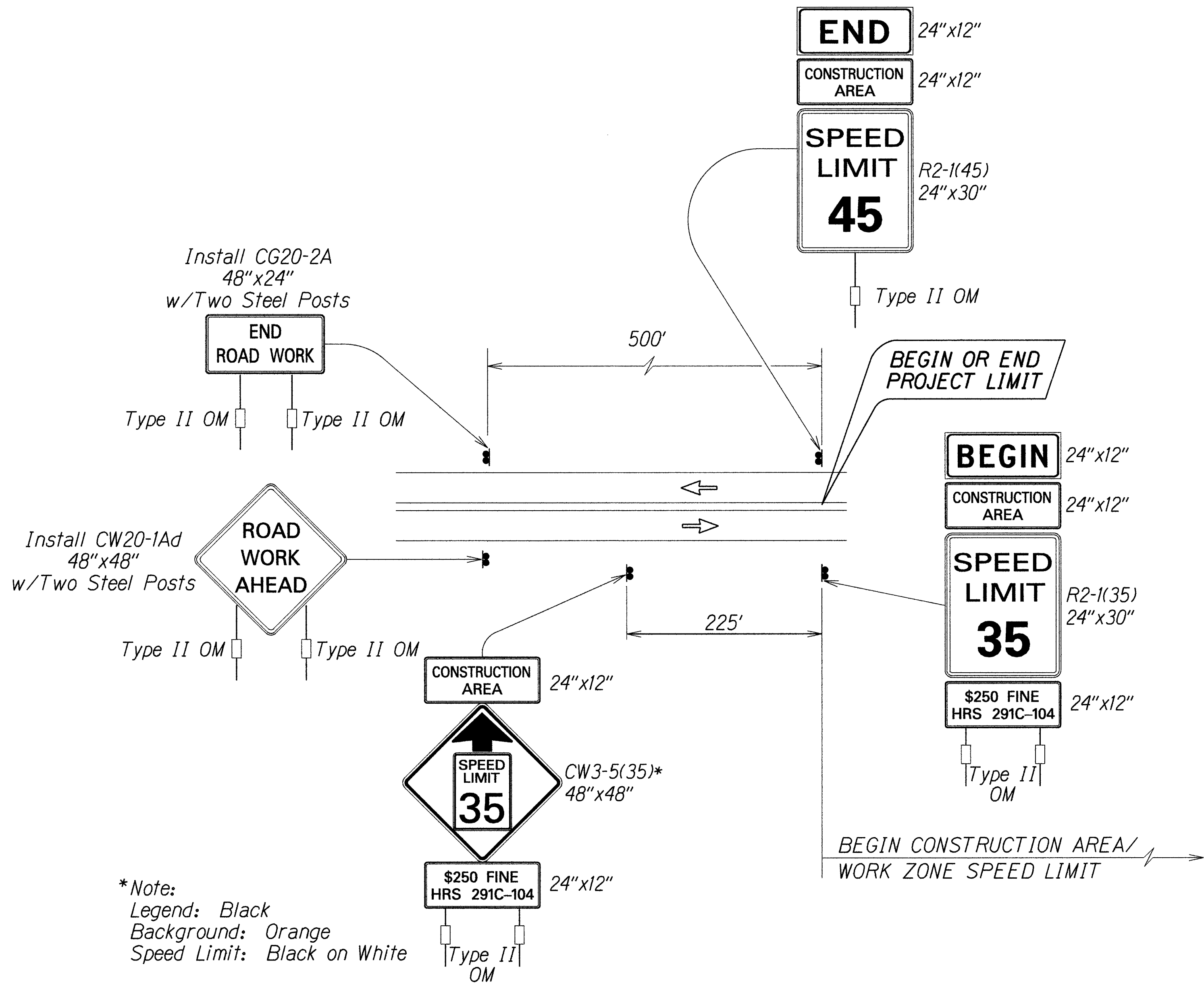
CROSSWALK STRIPING DETAIL
Not to Scale



YIELD LINE
Not to Scale

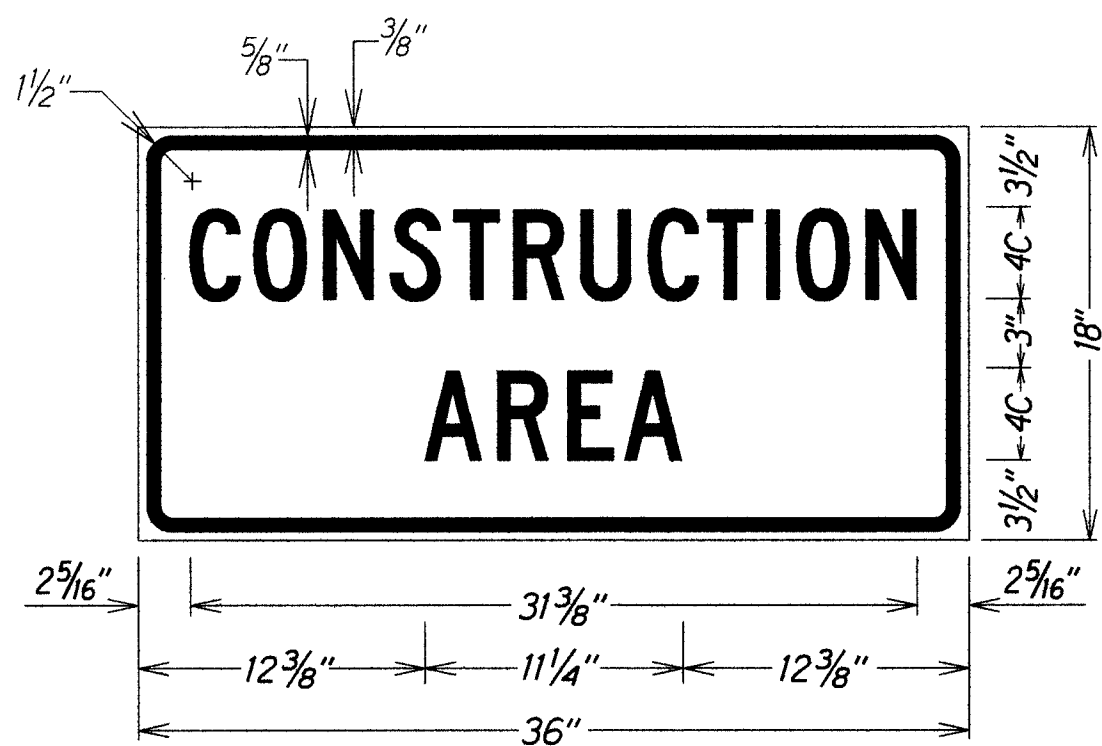
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKING
LEGEND, DETAILS & NOTES
HONOAPIILANI HIGHWAY
Safety Improvements
Kapoli Street to Papalaua Beach Road
Federal Aid Project No. HSIP-030-I(45)
Scale: As Shown Date: Aug. 2018

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-1(45)	2019	33	48

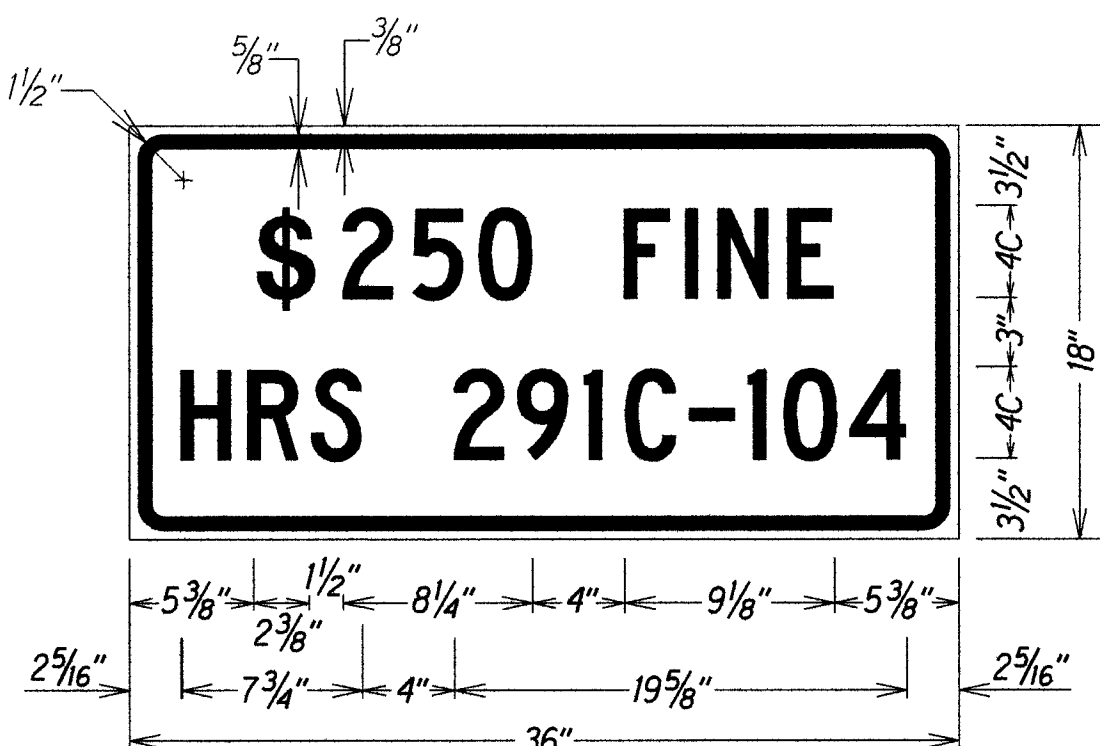


- Work Zone Note:**
1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
 2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(35) and R2-5b(35) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).
 3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
 4. Each construction warning sign and work zone speed limit assembly shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 645.1000 - Traffic Control.
 5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.
 6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
 7. The removal and restoration of existing regulatory speed limit signs with new posts along with the installation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to Item No. 645.1000 - Traffic Control.

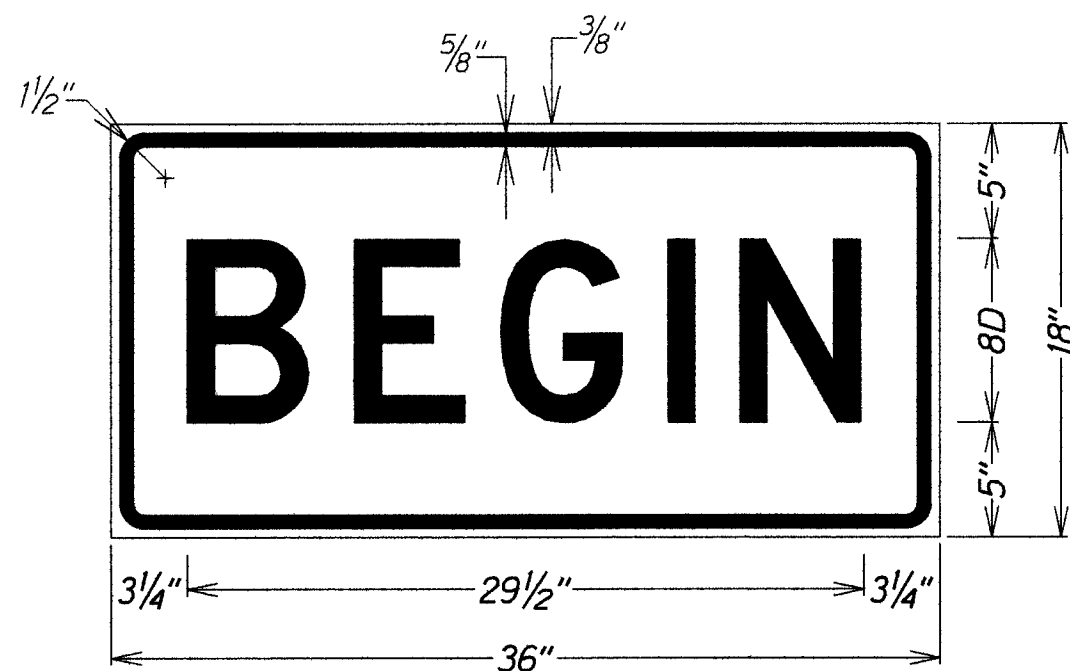
**TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON TWO LANE OR MULTILANE UNDIVIDED LOW SPEED HIGHWAY**



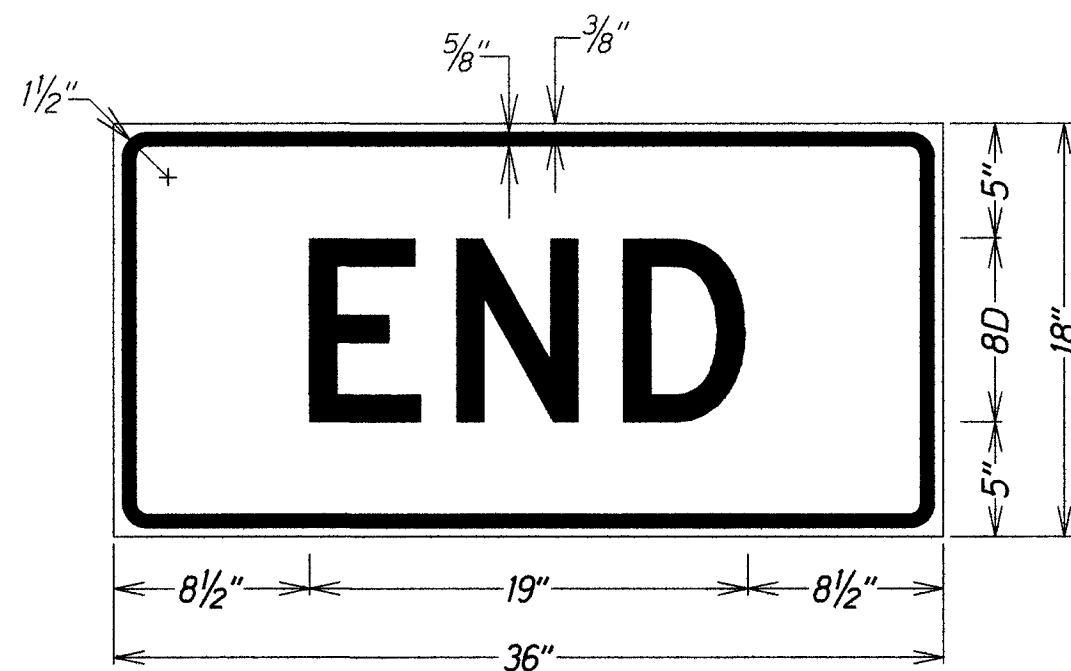
LEGEND: BLACK
BACKGROUND: ORANGE



LEGEND: BLACK
BACKGROUND: WHITE



LEGEND: BLACK
BACKGROUND: ORANGE



LEGEND: BLACK
BACKGROUND: ORANGE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HIGH SPEED UNDIVIDED HIGHWAY

WORK ZONE SIGNING PLAN, NOTES&DETAILS

HONOAPIILANI HIGHWAY

Safety Improvements

Kapoli Street to Papalaua Beach Road

Federal Aid Project No. HSIP-030-1(45)

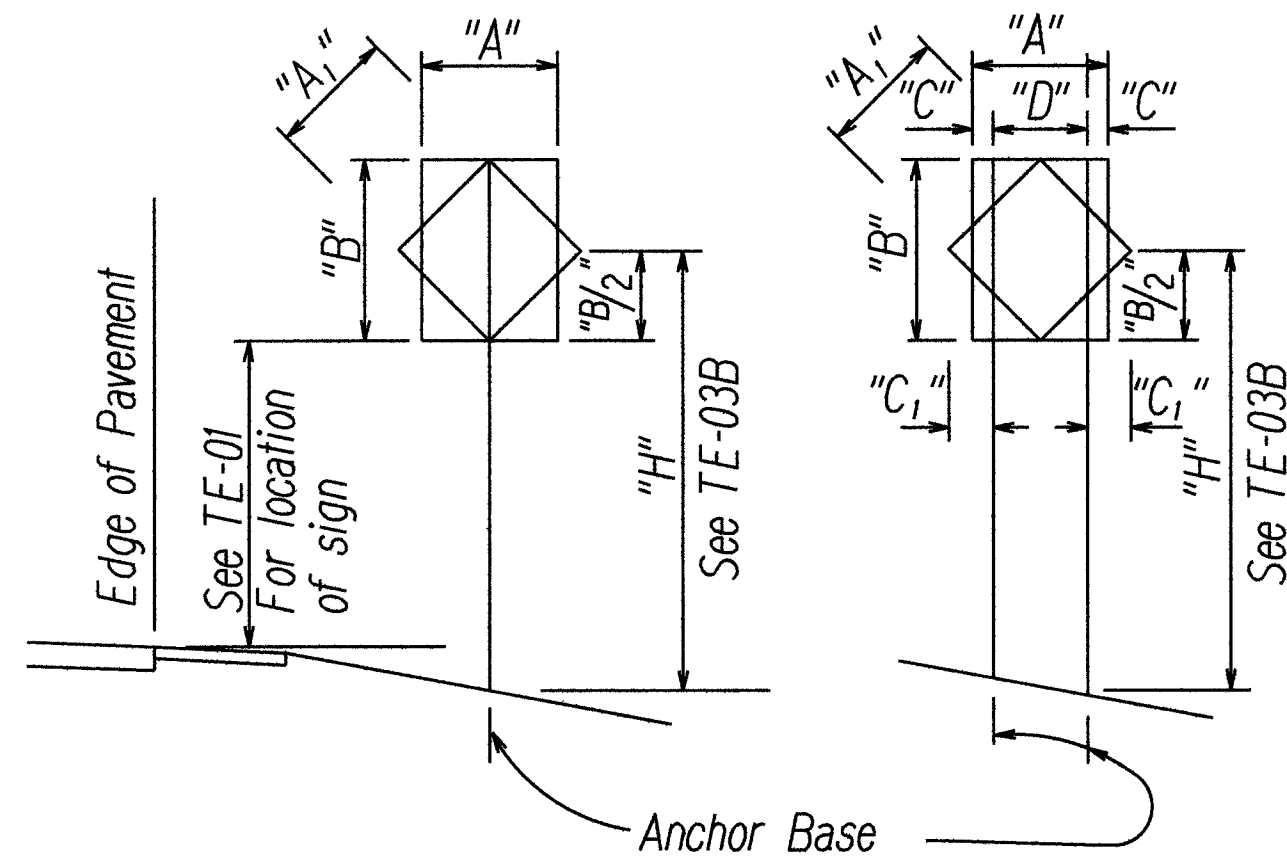
Scale: As Shown

Date: Aug. 2018

SHEET No. T2 OF 17

SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-1(45)	2019	34	48



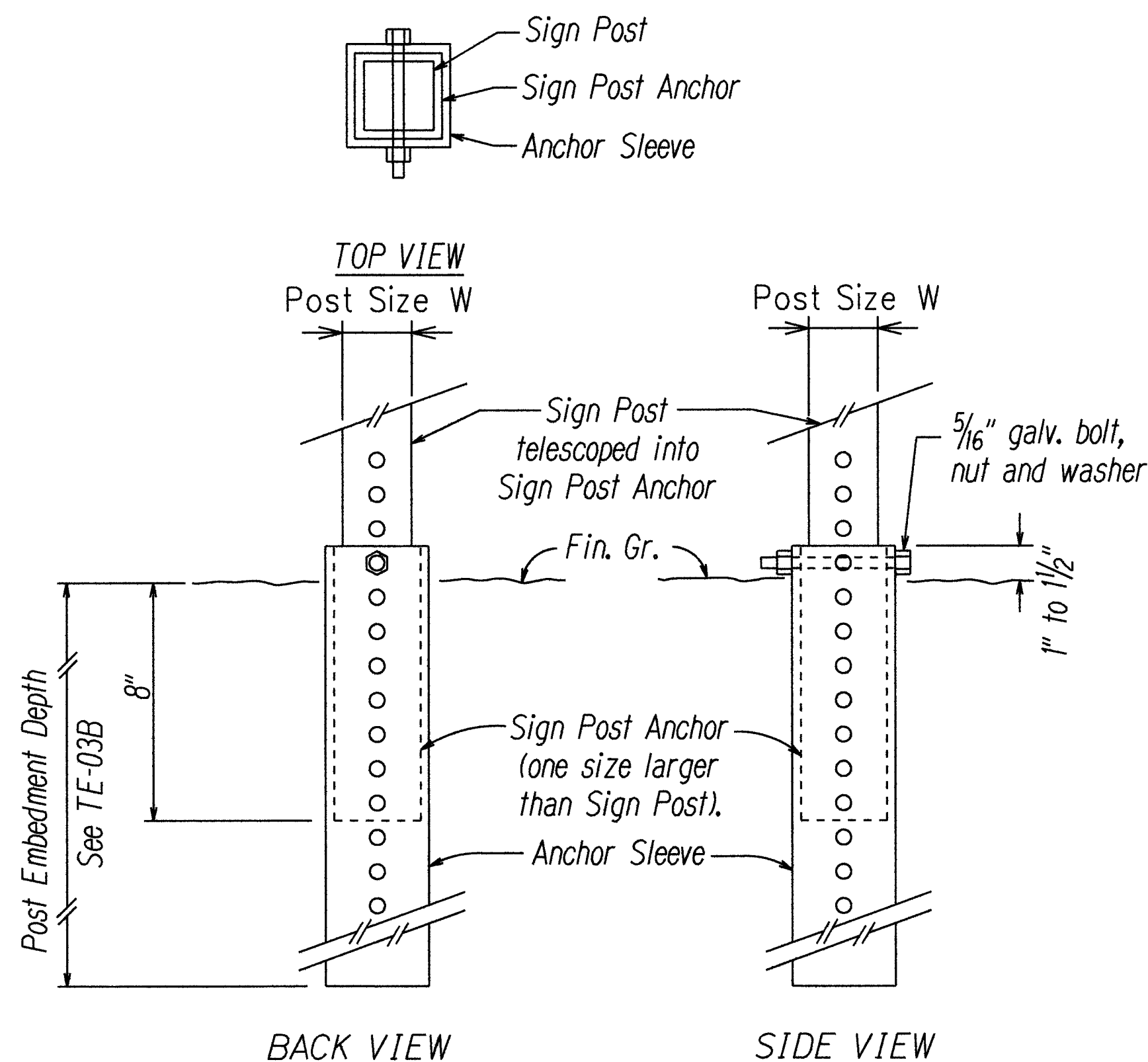
1 - POST
"A" or "A₁" less than 36"

2 - POST
"A" or "A₁" less than 60"

"A" or "A ₁ "	"C"	"C ₁ "
Less than 36"	6"	-
Greater than 36" and less than 48"	9"	19"
Greater than 48"	12"	24"

NOTE: Frame stiffeners are required when D is greater than 24"
See General Notes.

TYPICAL INSTALLATION



BACK VIEW
SIGN POST INSTALLATION

SIDE VIEW

ANCHOR BASE DETAIL

GENERAL NOTES

- Design Specifications:**
 - Design shall conform w/ the latest AASHTO Standard Specifications for the Structural Supports for Highway Signs, Luminaires & Traffic Signals and its interim supplements and modifications by the Highways Division, Department of Transportation State of Hawaii.
 - Latest HDOT Memorandum with subject title "Design Criteria for Bridges and Structures."
- Loads:**
 - Basic Wind Speed: 105 mph.
 - Recurrence Interval of 10 years.
- Materials:**
 - Post shall conform to the Standard Specifications.
 - All connection bolts shall be AASHTO M164 bolts and anchor bolts shall be AASHTO M314-105 bolt.
 - Lap splice nuts and bolts shall be M180, with an ultimate tensile strength of 180 ksi, min.
 - Aluminum members and surfaces in contact with structural steel shall be isolated with neoprene material as approved by the Engineer.
- General:**
 - See General Notes on B-01, TE-01, and TE-03B for additional information.
 - All square tube posts shall be 12 gauge unless otherwise specified or shown on the plans.
 - Square tube posts shall be perforated with $\frac{7}{16}$ " ϕ holes, 1" o.c., 4 sides, along entire length of post.
 - All accessories, fittings and stiffener details (as required) shall be submitted to the Engineer for approval 20 days prior to installation.
 - Alternate designs in accordance with the plans and specifications shall use the Service Load Design Method and shall be stamped by a registered structural engineer of the State of Hawaii and submitted to the Engineer for approval.
 - All sign support posts without break away anchor base shall be outside of the clear zone or shielded by an appropriate traffic barrier system. The traffic barrier system shall be submitted to the Engineer for his approval.
 - The Contractor shall use templates while installing the anchor bolts. Anchor bolts shall be vertical.
 - Excavation and backfill shall be considered incidental to the cost of the sign foundation.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	
10/2/18	DESIGNED BY	
10/2/18	CHECKED BY	
10/2/18	CHECKED BY	

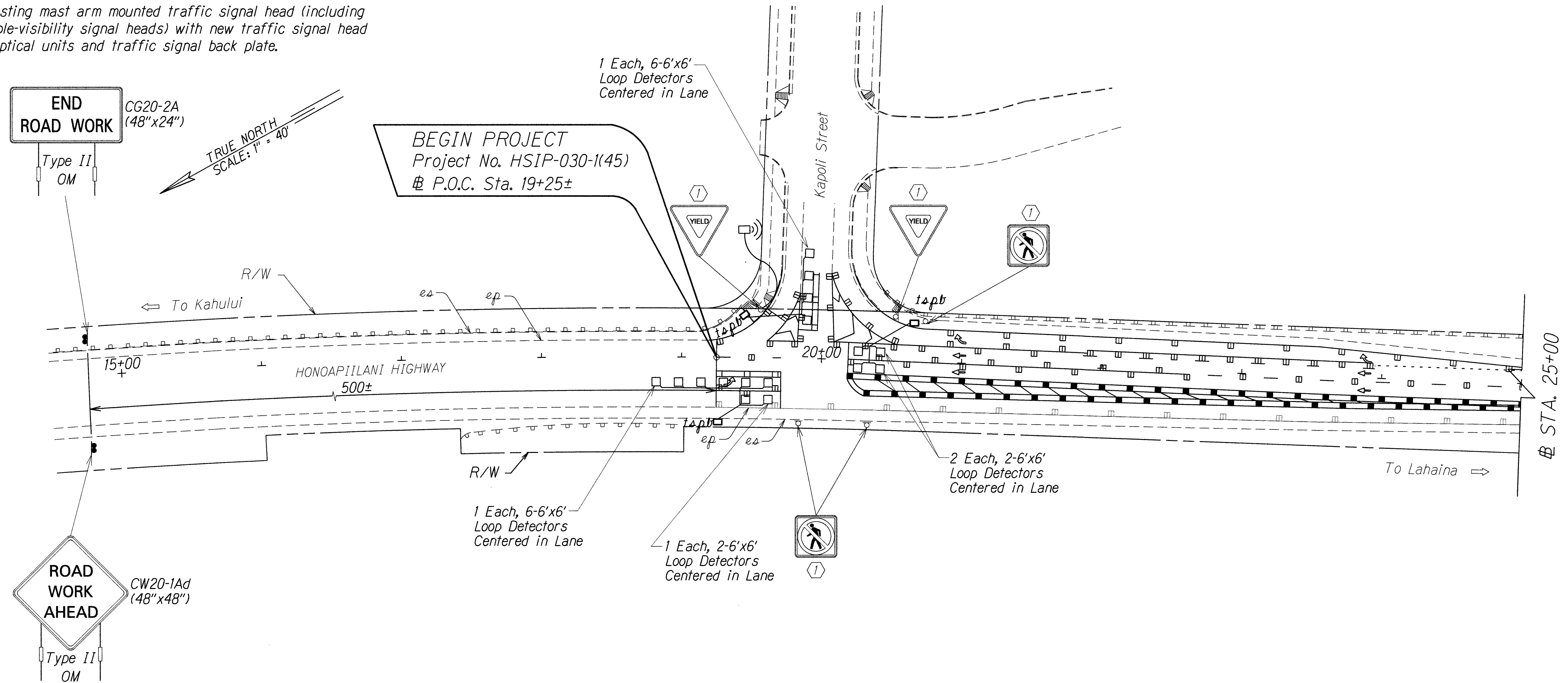
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GALVANIZED SQUARE TUBE
SIGN POST MOUNTING**
HONOAPIILANI HIGHWAY
Safety Improvements
Kapoli Street to Papalaua Beach Road
Federal Aid Project No. HSIP-030-1(45)
Scale: As Shown Date: Aug., 2018
SHEET No. T3 OF 17 SHEETS

NEW TRAFFIC SIGNAL ASSEMBLY W/ LED SIGNAL LIGHTS & TRAFFIC SIGNAL BACK PLATE*

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-1(45)	2019	35	48

STREET NAME/INTERSECTION	SOUTH BOUND (SB)		NORTH BOUND (NB)	
	STANDARD TRAFFIC SIGNAL HEAD	PROGRAMMABLE VISIBILITY TRAFFIC SIGNAL HEAD	STANDARD TRAFFIC SIGNAL HEAD	PROGRAMMABLE VISIBILITY TRAFFIC SIGNAL HEAD
Kapoli Street	1	1	2	—

* Replace existing mast arm mounted traffic signal head (including programmable-visibility signal heads) with new traffic signal head with LED optical units and traffic signal back plate.



KEY:

- ① Exist. Sign(s) & Post(s) to Remain
- ② Exist. Sign(s) to Remain
- ③ Install New Sign(s) & Post(s)
- ④ Install New Sign(s)
- ⑤ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
- ⑥ Relocate Exist. Sign(s) & Post(s)
- ⑦ Relocate Exist. Sign(s)

NOTE (For this sheet only):
All existing pavement marking and striping shall remain and are for reference only.

DESIGNED BY	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

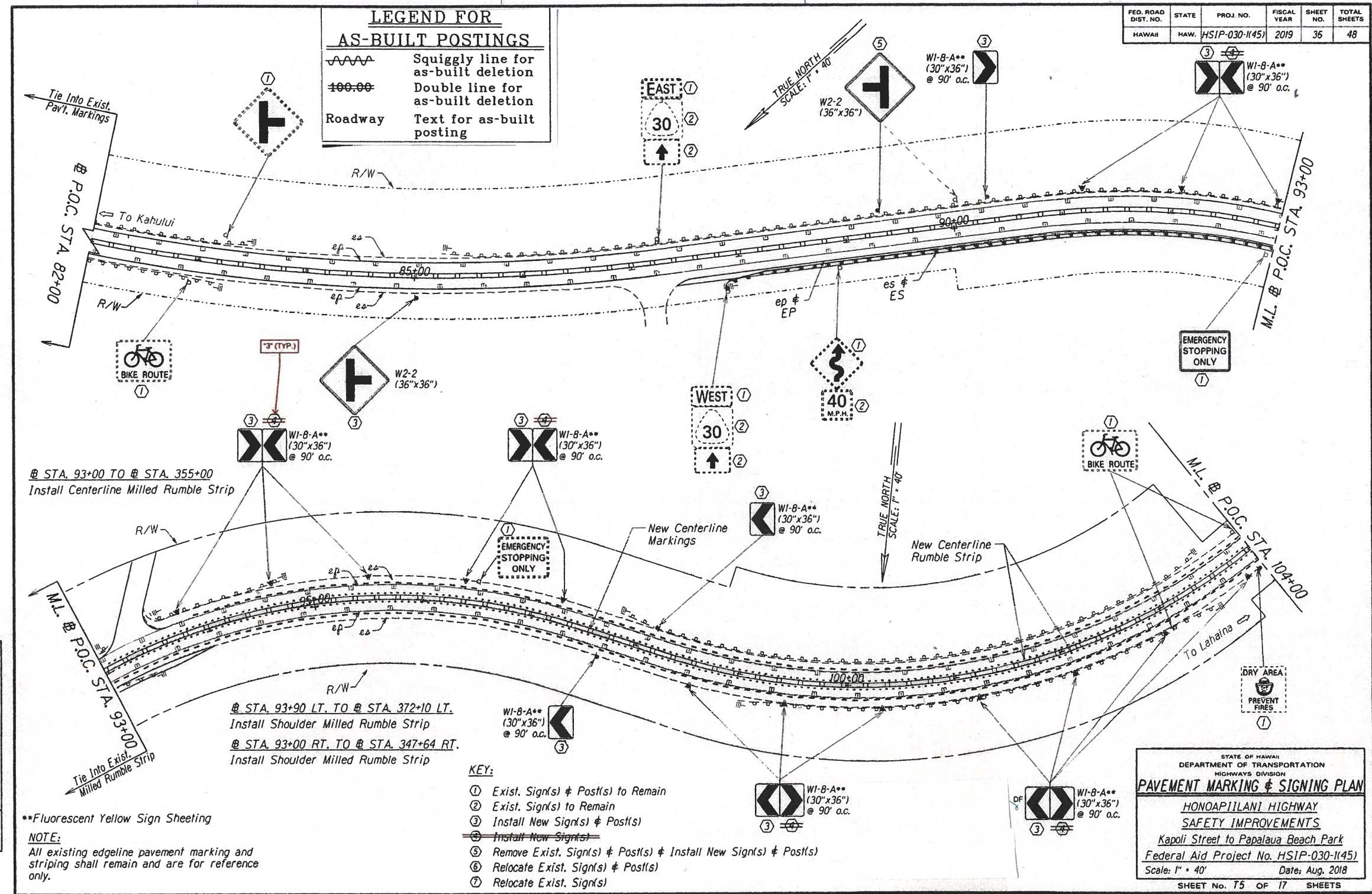
HONOAPIʻILANI HIGHWAY
SAFETY IMPROVEMENTS
Kapoli Street to Papalaua Beach Park
Federal Aid Project No. HSIP-030-1(45)
Scale: 1" = 40' Date: Aug. 2018

SHEET No. 35 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-1(45)	2019	36	48

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion
 Double line for as-built deletion
 Roadway Text for as-built posting



@ STA. 93+00 TO @ STA. 355+00
Install Centerline Milled Rumble Strip

@ STA. 93+90 LT. TO @ STA. 372+10 LT.
Install Shoulder Milled Rumble Strip
 @ STA. 93+00 RT. TO @ STA. 347+64 RT.
Install Shoulder Milled Rumble Strip

****Fluorescent Yellow Sign Sheeting**
NOTE:
 All existing edgeline pavement marking and striping shall remain and are for reference only.

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Exist. Sign(s) to Remain
 - ③ Install New Sign(s) & Post(s)
 - ④ Install New Sign(s)
 - ⑤ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
 - ⑥ Relocate Exist. Sign(s) & Post(s)
 - ⑦ Relocate Exist. Sign(s)

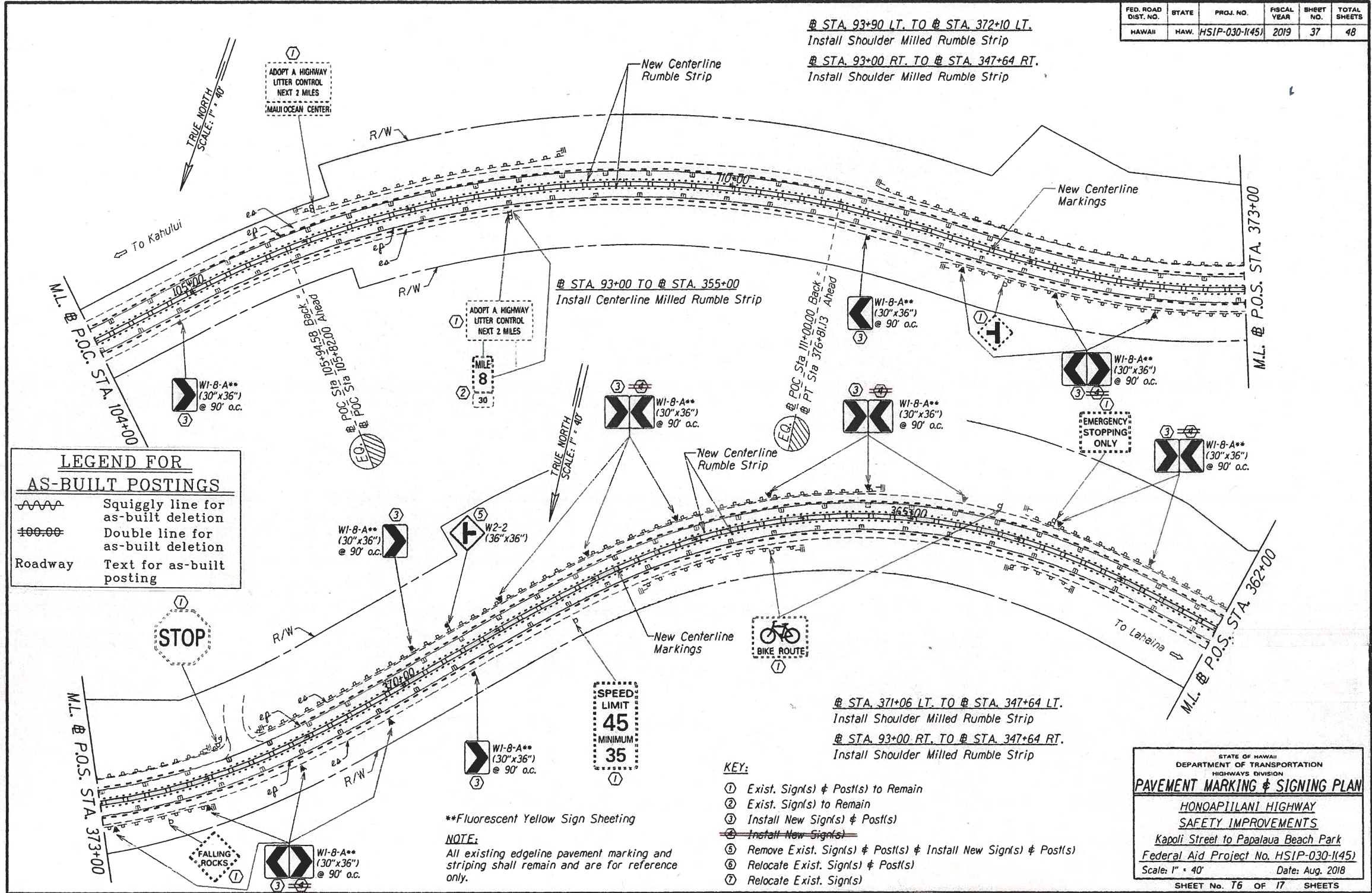
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

HONOAPIILANI HIGHWAY
SAFETY IMPROVEMENTS
 Kapoli Street to Papalaua Beach Park
 Federal Aid Project No. HSIP-030-1(45)
 Scale: 1" = 40' Date: Aug. 2018

SHEET No. 15 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-030-11(45)	2019	37	48



LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion

==== Double line for as-built deletion

Roadway Text for as-built posting

|              |      |
|--------------|------|
| DESIGNED BY  | DATE |
| DRAWN BY     |      |
| CHECKED BY   |      |
| IN CHARGE BY |      |
| NOTED BY     |      |
| QUANTITY BY  |      |
| DATE         |      |

**NOTE:**  
All existing edgeline pavement marking and striping shall remain and are for reference only.

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
  - ② Exist. Sign(s) to Remain
  - ③ Install New Sign(s) & Post(s)
  - ④ Install New Sign(s)
  - ⑤ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
  - ⑥ Relocate Exist. Sign(s) & Post(s)
  - ⑦ Relocate Exist. Sign(s)

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING & SIGNING PLAN**

**HONOLULU HIGHWAY**  
**SAFETY IMPROVEMENTS**  
Kapoli Street to Papalaua Beach Park  
Federal Aid Project No. HSIP-030-11(45)  
Scale: 1" = 40' Date: Aug. 2018  
SHEET No. 76 OF 17 SHEETS

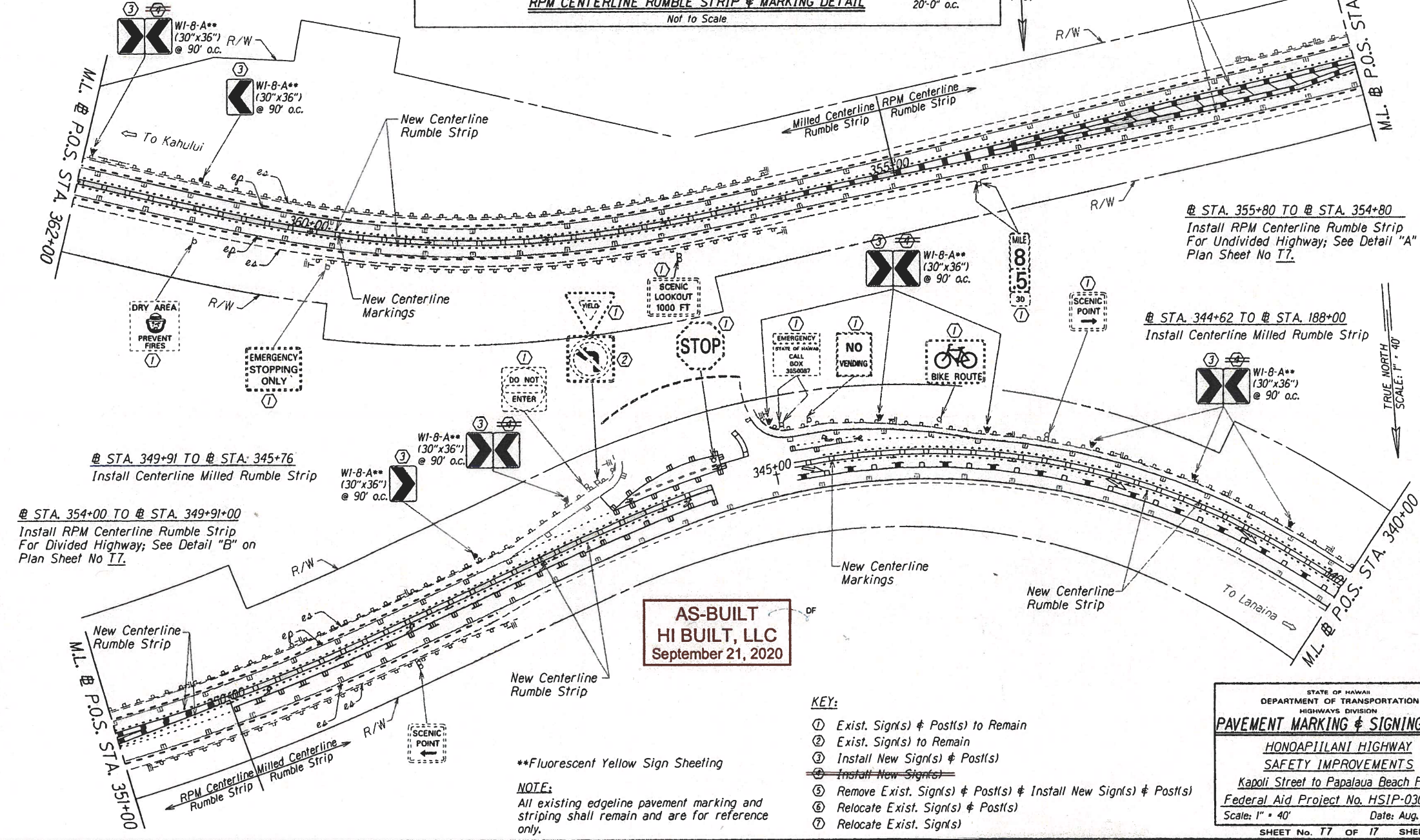
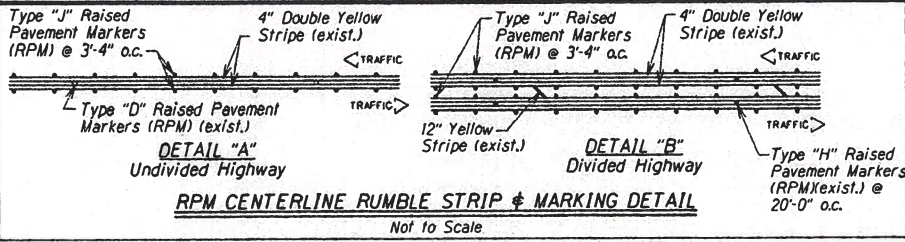
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED-AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-030-1(45)    | 2019        | 38        | 48           |

@ STA. 371+06 LT. TO @ STA. 347+64 LT.  
Install Shoulder Milled Rumble Strip

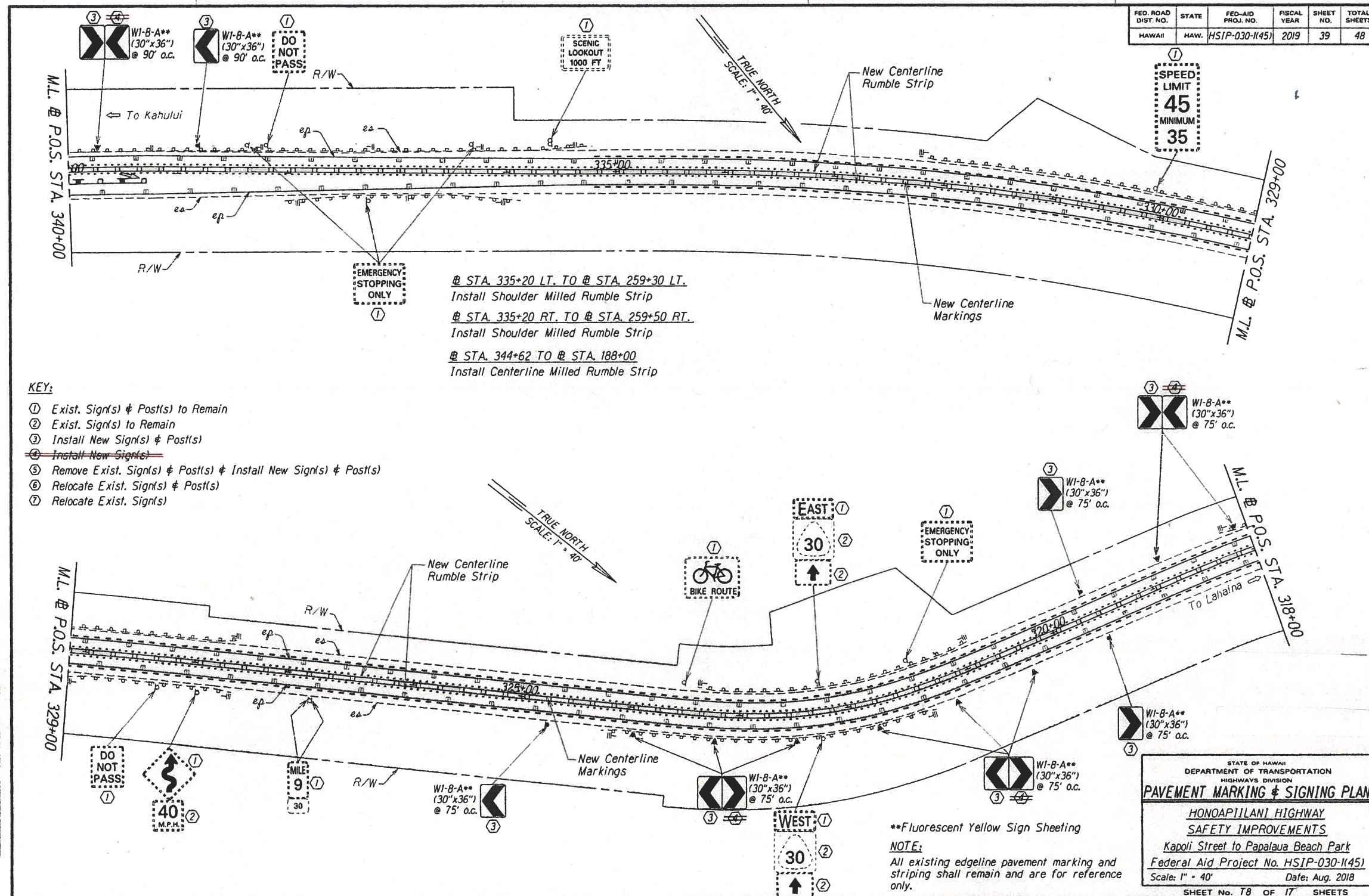
@ STA. 93+00 RT. TO @ STA. 347+64 RT.  
Install Shoulder Milled Rumble Strip

@ STA. 93+00 TO @ STA. 355+80  
Install Centerline Milled Rumble Strip



**AS-BUILT**

| FED. ROAD DIST. NO. | STATE | FED-AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-030-1145     | 2019        | 39        | 48           |

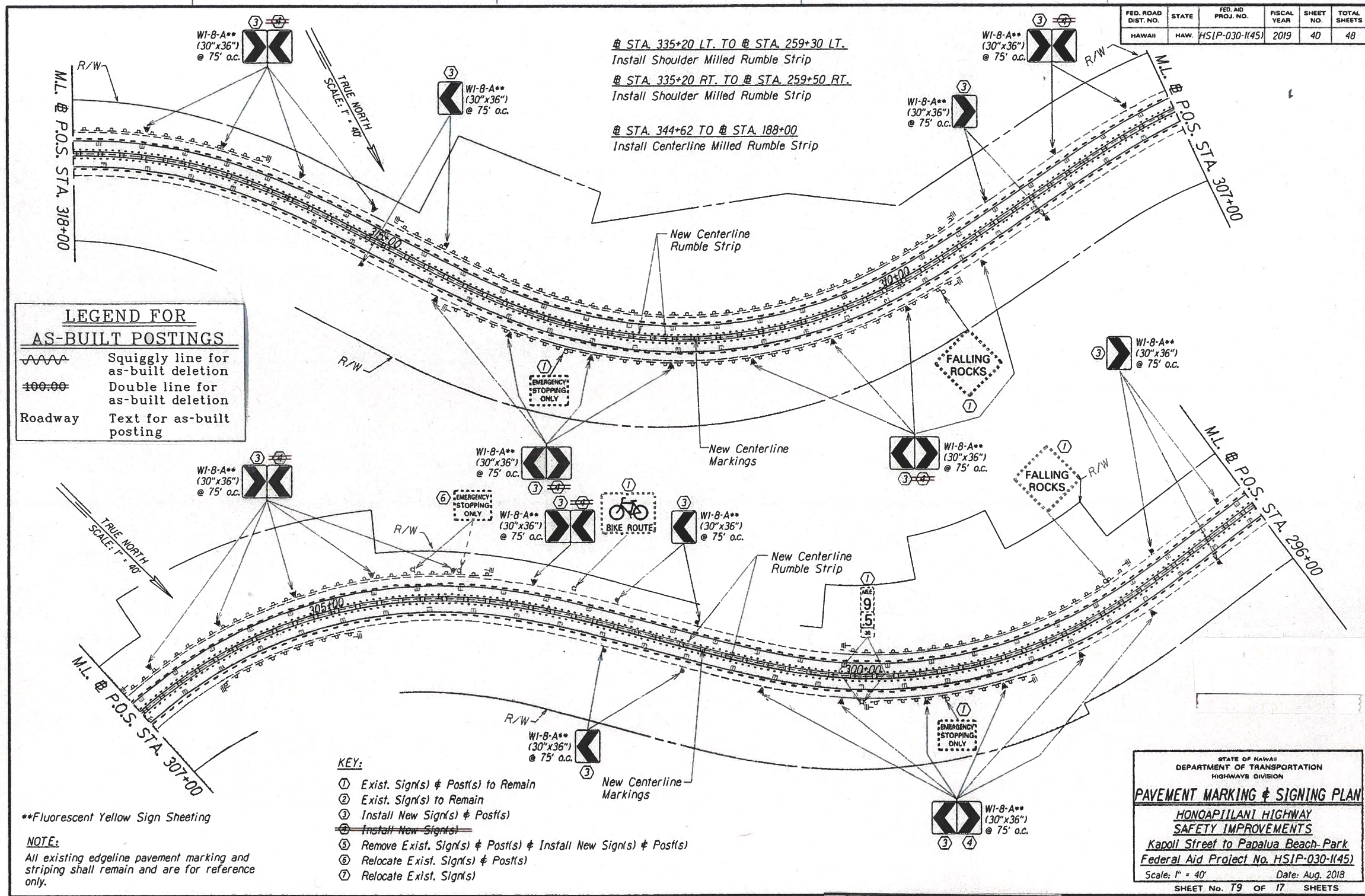


|             |      |
|-------------|------|
| DESIGNED BY | DATE |
| DRAWN BY    |      |
| CHECKED BY  |      |
| IN CHARGE   |      |
| APPROVED BY |      |

|                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION                                                                                             |
| <b>PAVEMENT MARKING &amp; SIGNING PLAN</b>                                                                                                                       |
| HONOAPIʻILANI HIGHWAY<br>SAFETY IMPROVEMENTS<br>Kapoli Street to Papalaua Beach Park<br>Federal Aid Project No. HSIP-030-1145<br>Scale: 1" = 40' Date: Aug. 2018 |
| SHEET No. 39 OF 17 SHEETS                                                                                                                                        |

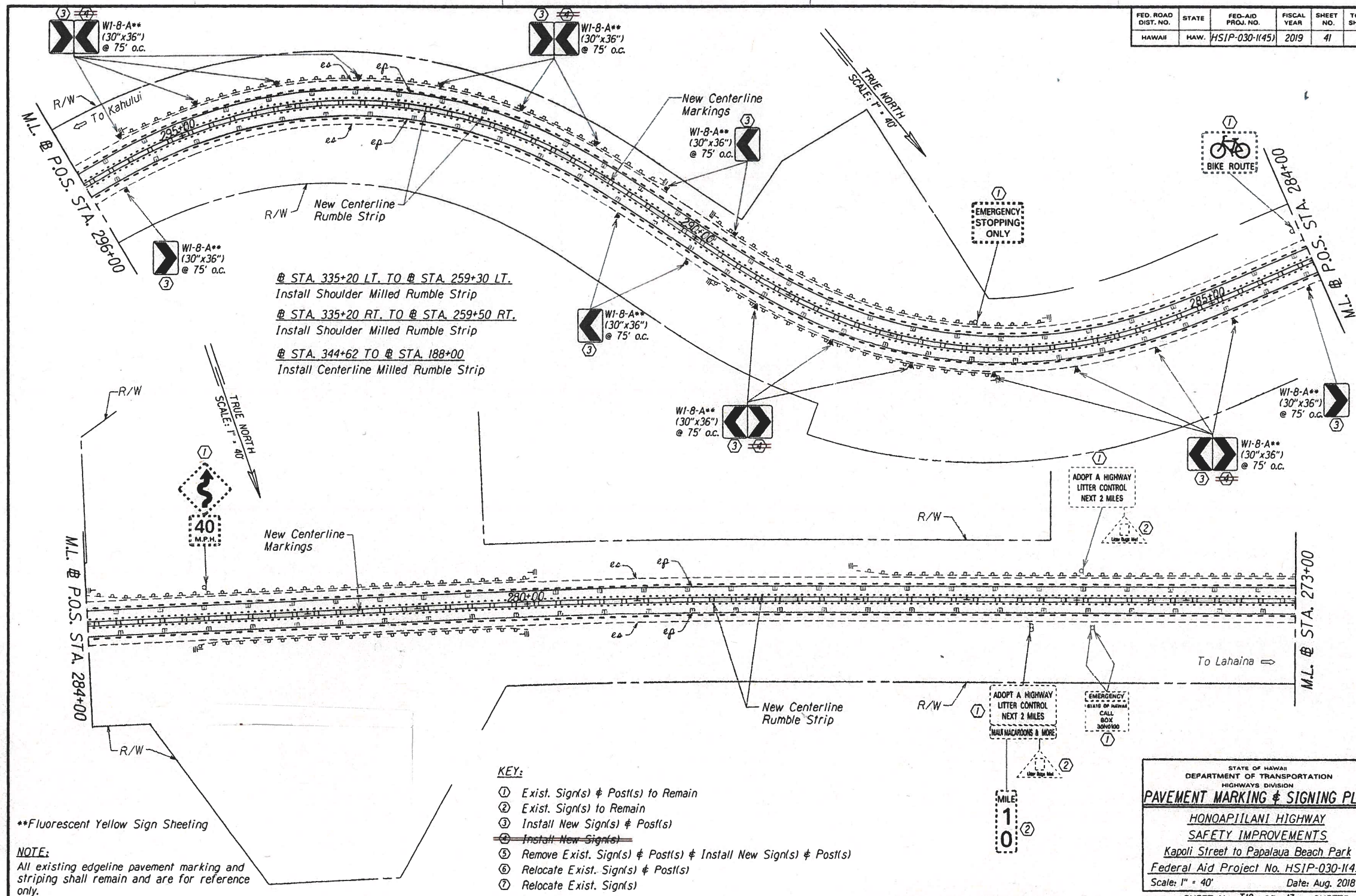
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-030-1145      | 2019        | 40        | 48           |



|             |      |
|-------------|------|
| DESIGNED BY | DATE |
| DRAWN BY    |      |
| CHECKED BY  |      |
| IN CHARGE   |      |

| FED. ROAD DIST. NO. | STATE | FED-AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HS1P-030-1145     | 2019        | 41        | 48           |

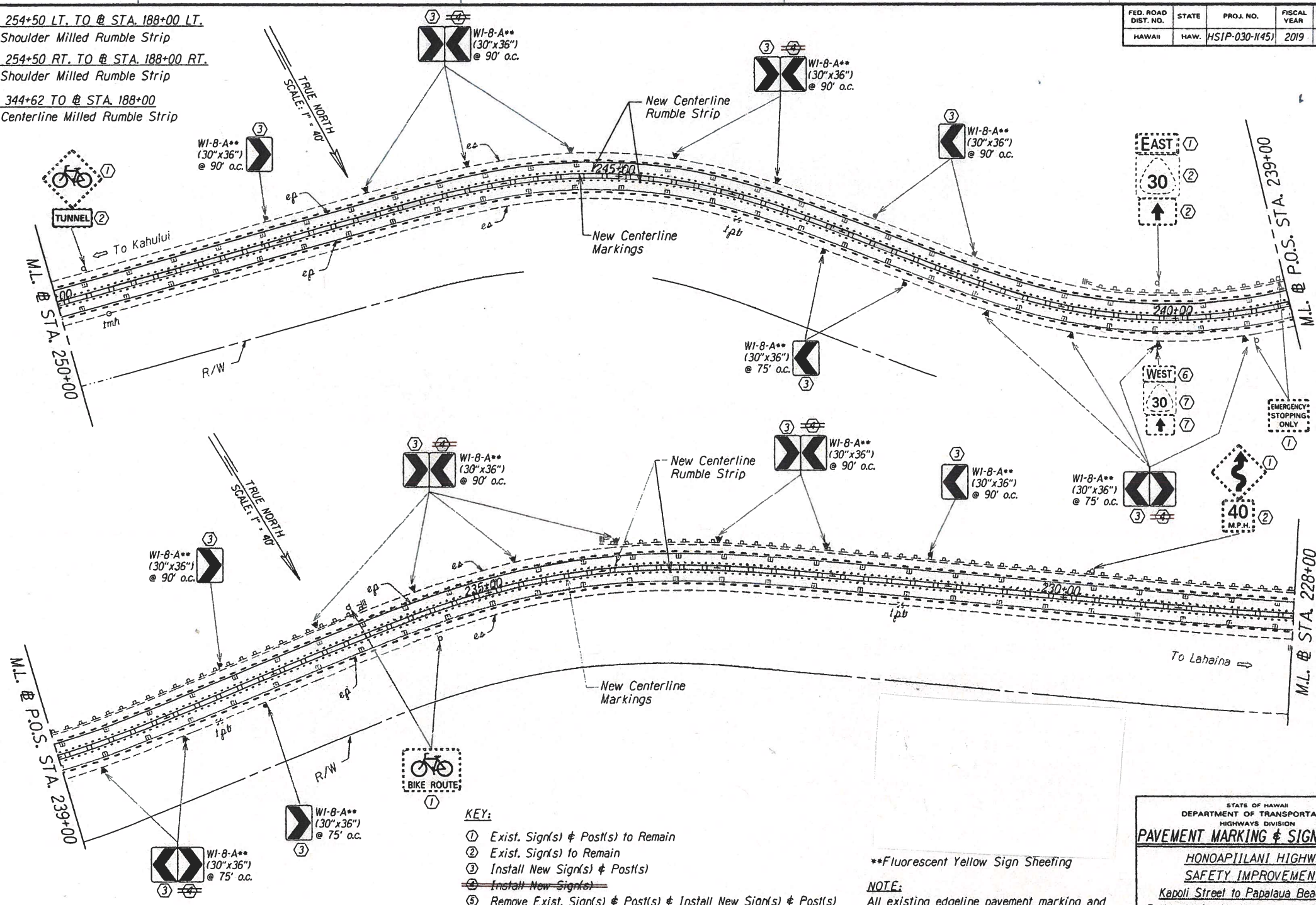


"AS-BUILT"



| FED. ROAD DIST. NO. | STATE | PROJ. NO.     | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|---------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HSIP-030-1145 | 2019        | 43        | 48           |

@ STA. 254+50 LT. TO @ STA. 188+00 LT.  
Install Shoulder Milled Rumble Strip  
@ STA. 254+50 RT. TO @ STA. 188+00 RT.  
Install Shoulder Milled Rumble Strip  
@ STA. 344+62 TO @ STA. 188+00  
Install Centerline Milled Rumble Strip



**KEY:**

- ① Exist. Sign(s) & Post(s) to Remain
- ② Exist. Sign(s) to Remain
- ③ Install New Sign(s) & Post(s)
- ④ ~~Install New Sign(s)~~
- ⑤ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
- ⑥ Relocate Exist. Sign(s) & Post(s)
- ⑦ Relocate Exist. Sign(s)

\*\*Fluorescent Yellow Sign Sheeting

**NOTE:**

All existing edgeline pavement marking and striping shall remain and are for reference only.

|                   |      |
|-------------------|------|
| SURVEY PLATTED BY | DATE |
| DESIGNED BY       |      |
| CHECKED BY        |      |
| APPROVED BY       |      |
| DATE              |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
HONOAPIILANI HIGHWAY  
SAFETY IMPROVEMENTS  
Kapoli Street to Papalaua Beach Park  
Federal Aid Project No. HSIP-030-1145  
Scale: 1" = 40' Date: Aug. 2018  
SHEET No. 712 OF 17 SHEETS

"AS-BUILT"

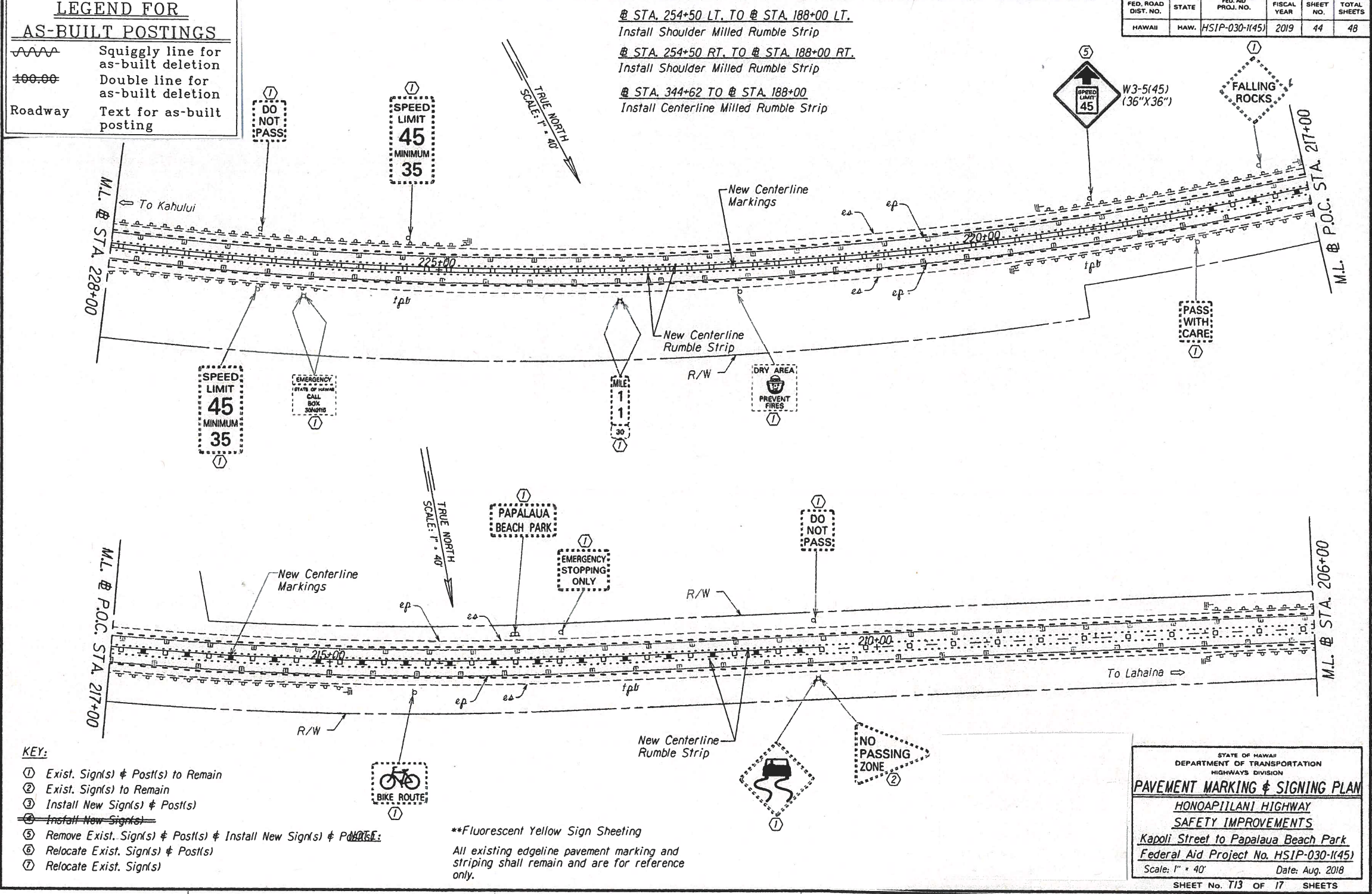
**LEGEND FOR AS-BUILT POSTINGS**

~~~~~ Squiggly line for as-built deletion

==00.00 Double line for as-built deletion

Roadway Text for as-built posting

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | HSIP-030-1(45) | 2019 | 44 | 48 |



| | |
|-------------|------|
| DESIGNED BY | DATE |
| DRAWN BY | |
| CHECKED BY | |
| APPROVED BY | |

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Exist. Sign(s) to Remain
 - ③ Install New Sign(s) & Post(s)
 - ④ ~~Install New Sign(s)~~
 - ⑤ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
 - ⑥ Relocate Exist. Sign(s) & Post(s)
 - ⑦ Relocate Exist. Sign(s)
- NOTE:**
- **Fluorescent Yellow Sign Sheeting
- All existing edgeline pavement marking and striping shall remain and are for reference only.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

HONOAPIILANI HIGHWAY

SAFETY IMPROVEMENTS

Kapoli Street to Papalaua Beach Park

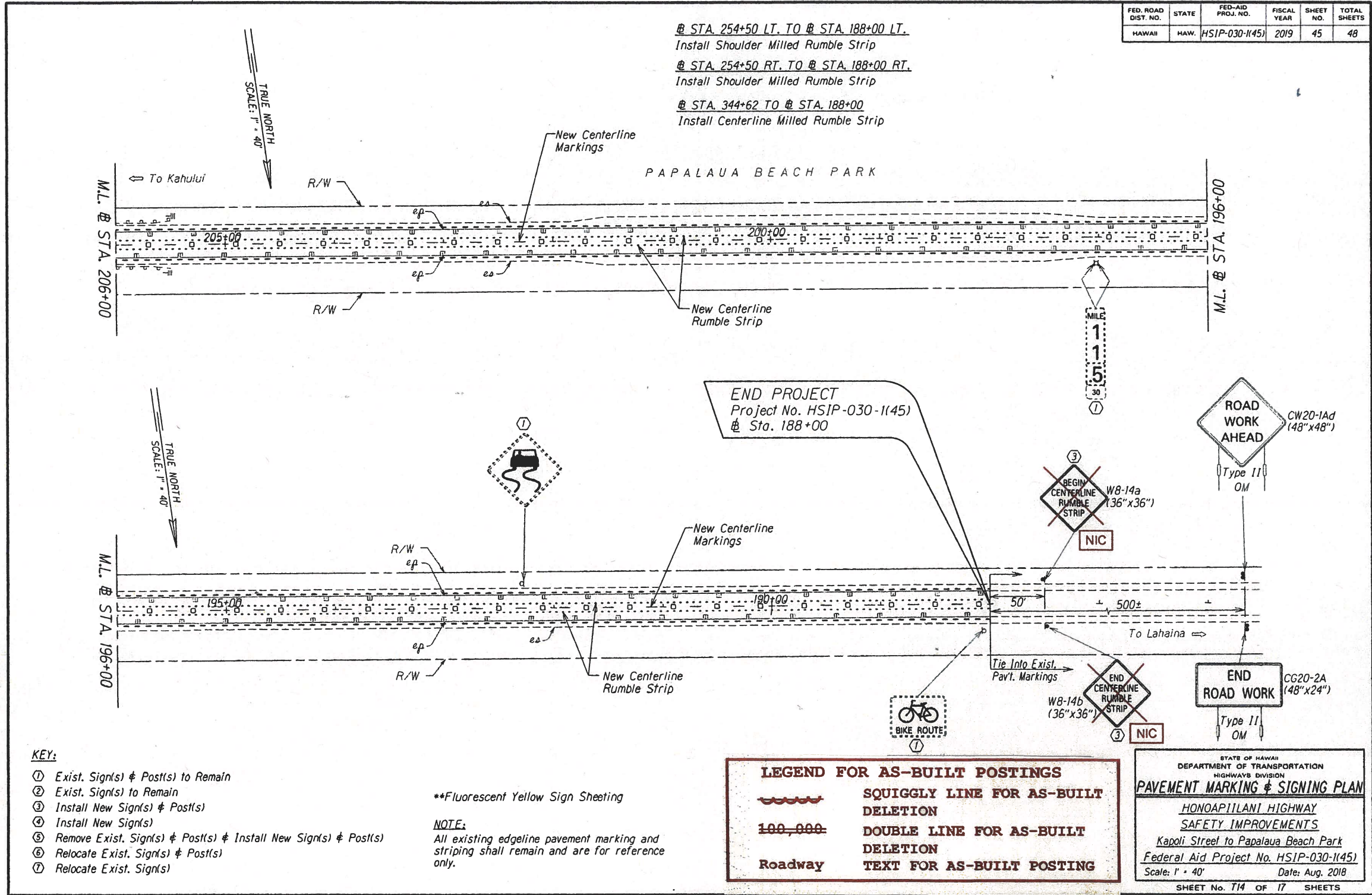
Federal Aid Project No. HSIP-030-1(45)

Scale: 1" = 40' Date: Aug. 2018

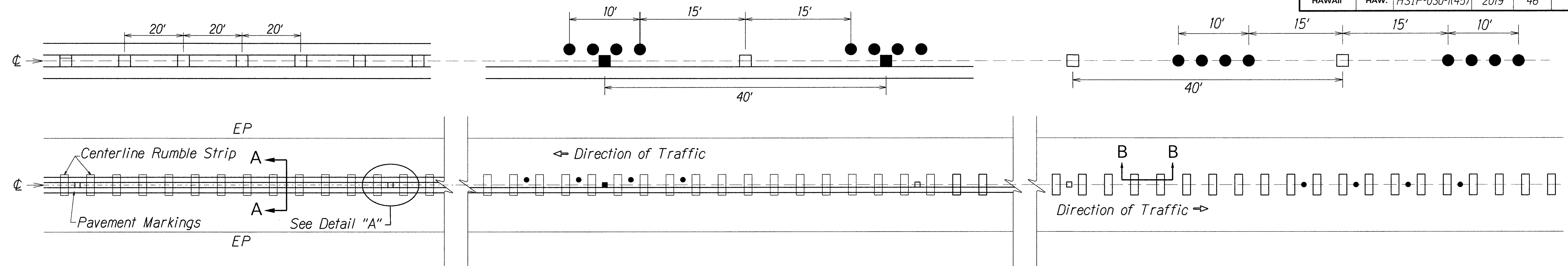
SHEET No. T13 OF 17 SHEETS

"AS-BUILT"

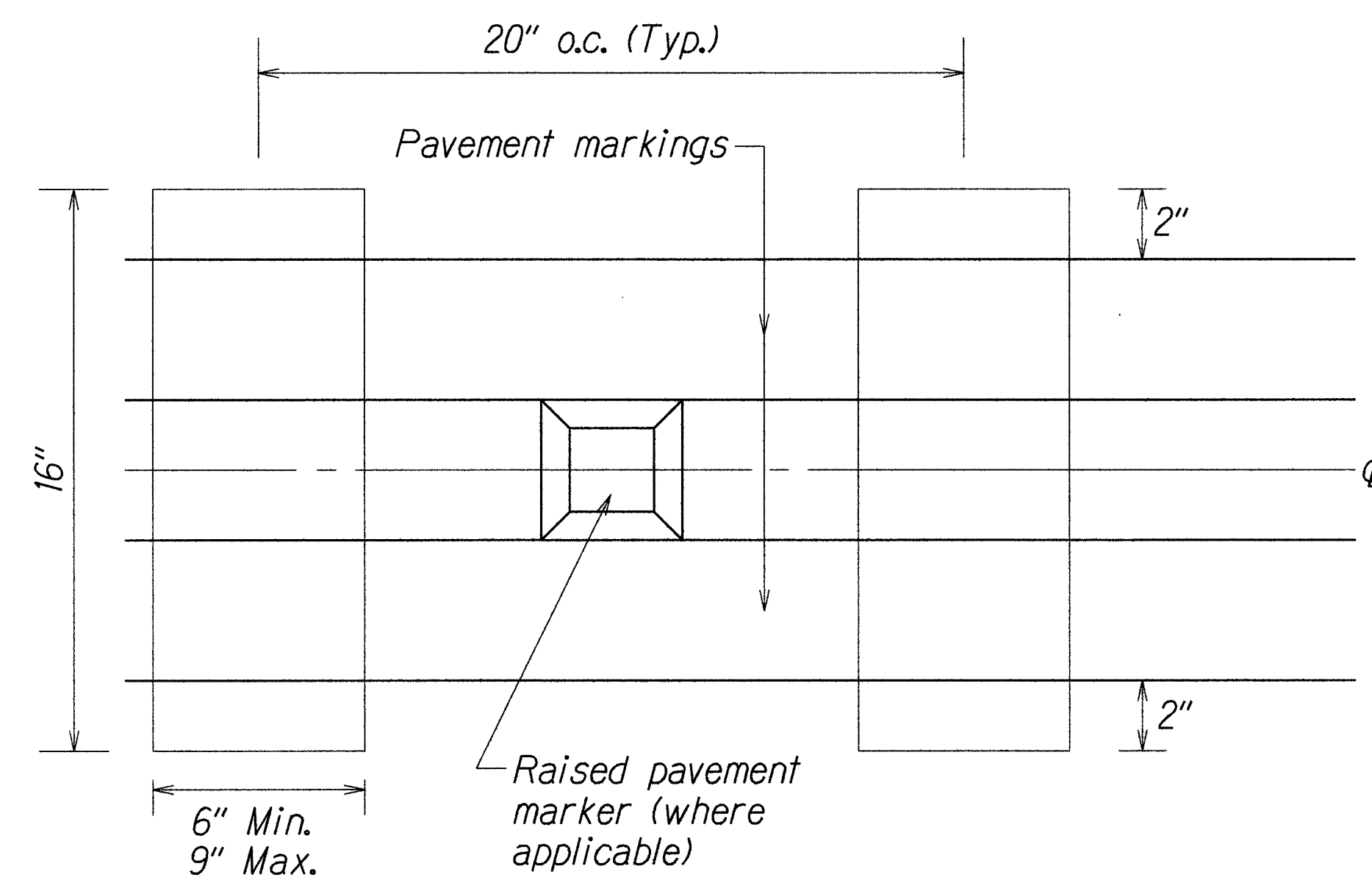
| FED. ROAD DIST. NO. | STATE | FED-AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII | HAW. | HSIP-030-1(45) | 2019 | 45 | 48 |



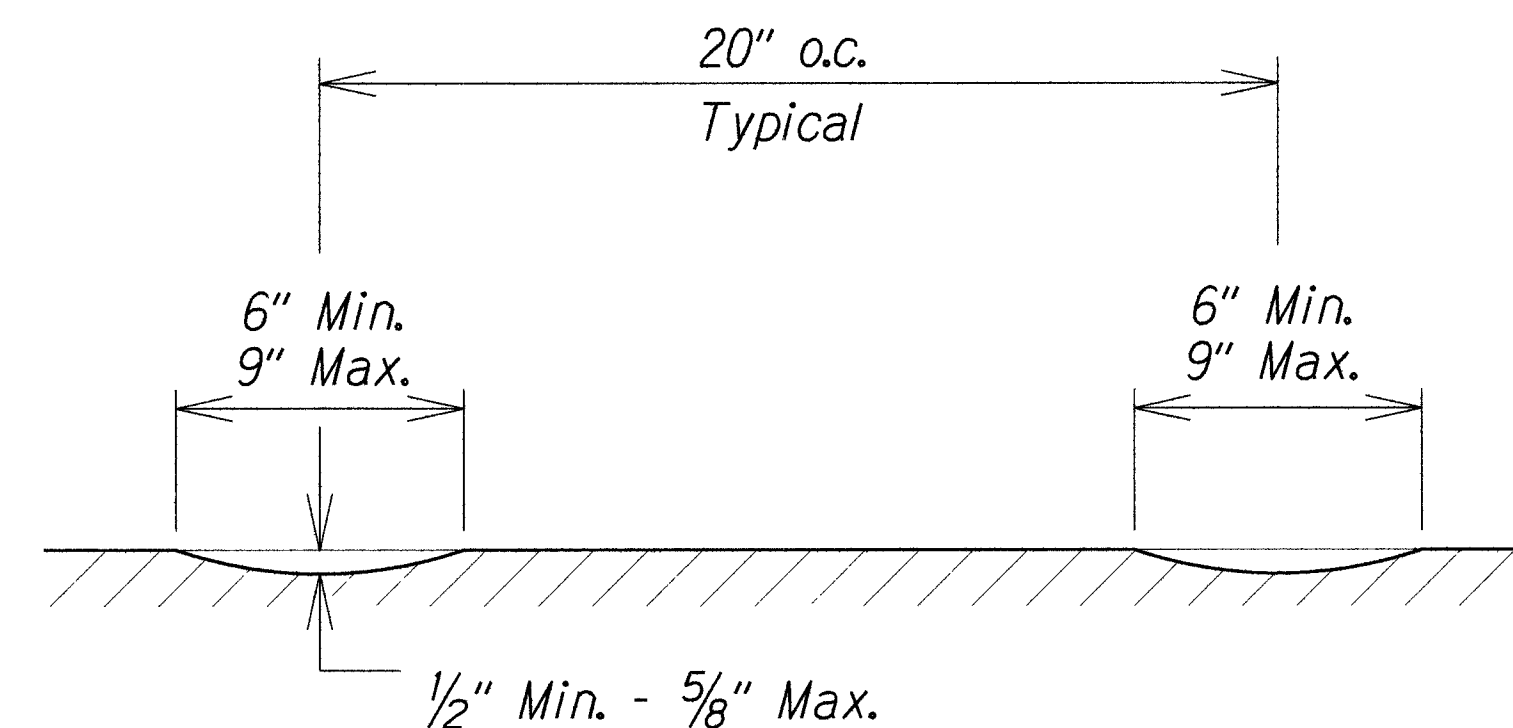
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | HSIP-030-1(45) | 2019 | 46 | 48 |



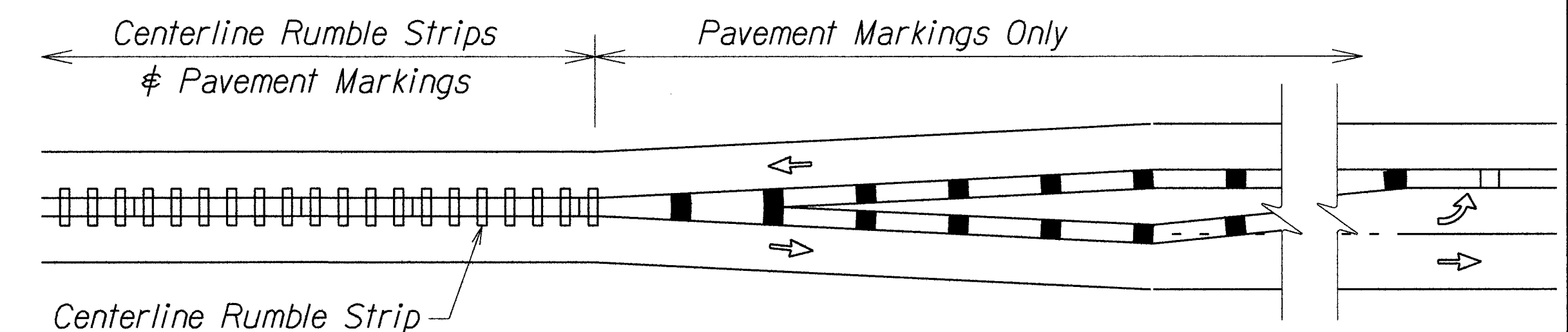
PLAN - CENTERLINE MILLED RUMBLE STRIP
Not to Scale



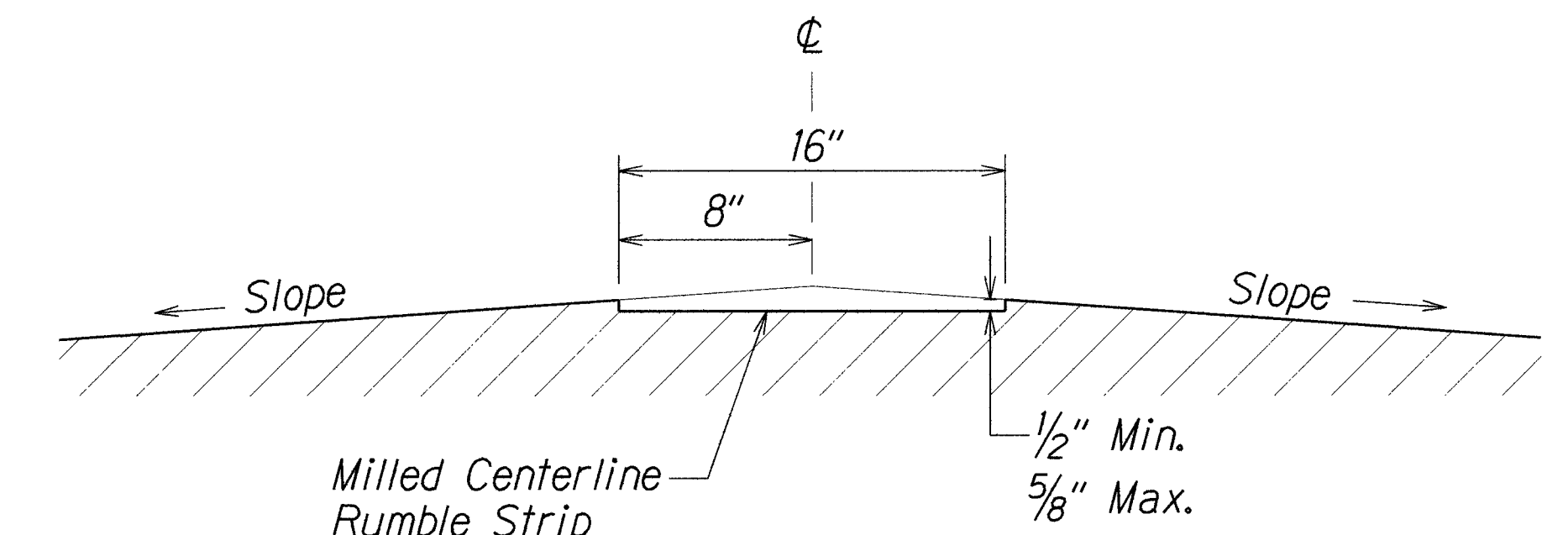
DETAIL "A"
Not to Scale



SECTION B-B - CENTERLINE MILLED RUMBLE STRIP
Not to Scale



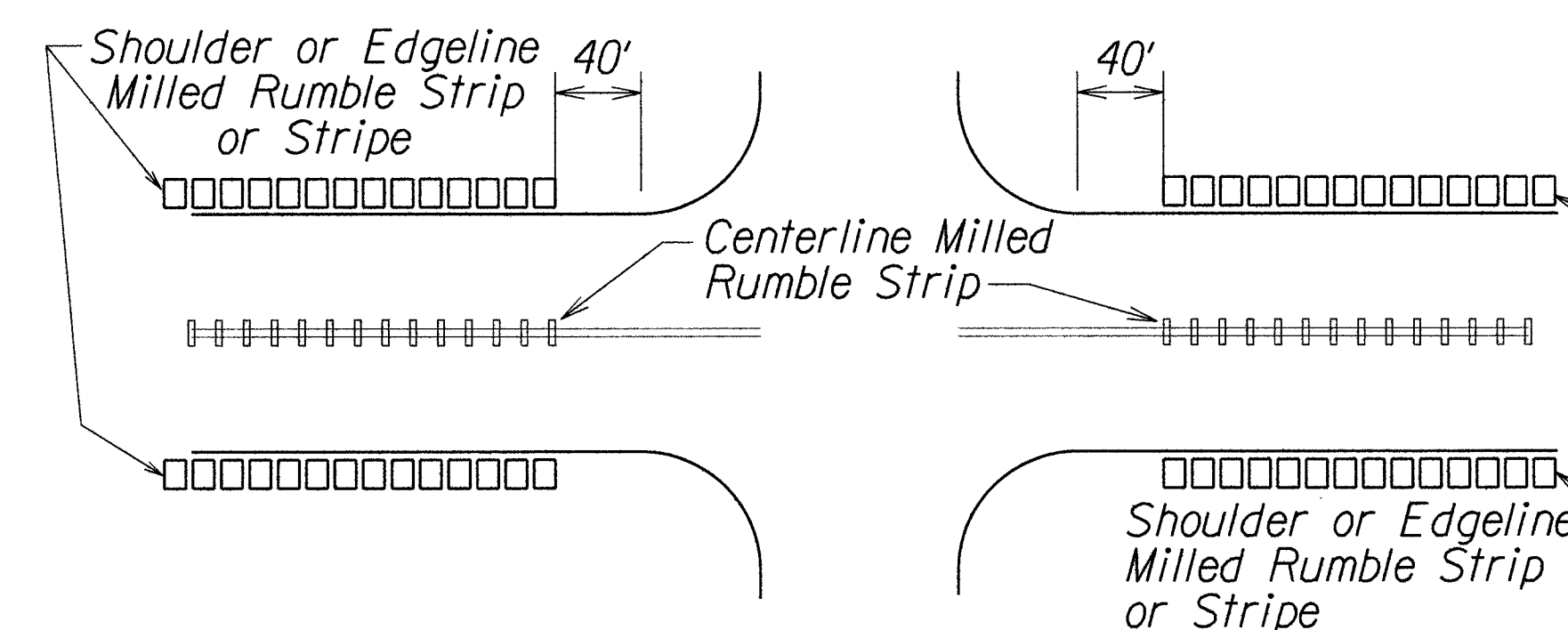
CENTERLINE MILLED RUMBLE STRIP INSTALLATION LIMIT
Not to Scale



SECTION A-A - CENTERLINE MILLED RUMBLE STRIP
Not to Scale

NOTES:

1. The method of constructing the centerline milled rumble strip shall be submitted to the Engineer for acceptance prior to the actual work.
2. Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement markings prior to installation.
3. Raised pavement markers shall be installed on level surface between the rumble strips. Do not install raised pavement markers inside the milled area.
4. The construction of the centerline milled rumble strip shall be paid for under Item No. 615.0100 - 16-inch Milled Rumble Strip, Centerline.
5. The milling apparatus and removal of existing pavement markings will not be paid for separately and shall be considered incidental to Item 615.0100 - 16-Inch Milled Rumble Strip, Centerline.
6. Do not install centerline rumble strips on bridge decks.
7. Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
8. Hot spray thermoplastic shall be used for solid line markings within the milled centerline rumble strip area.

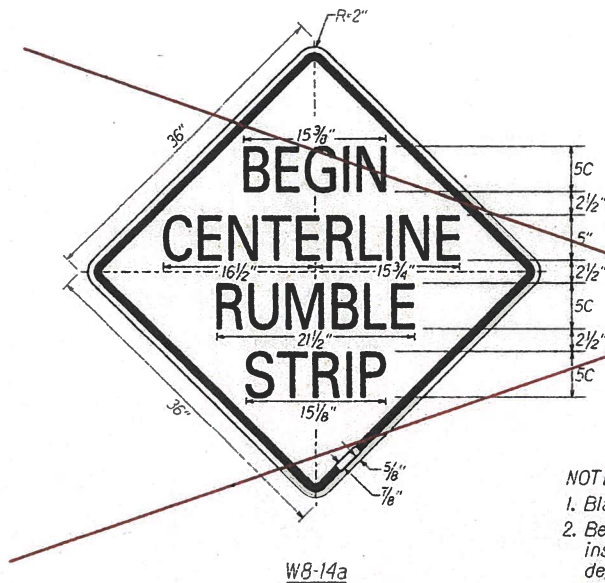


MILLED RUMBLE STRIP INSTALLATION LIMITS
Not to Scale

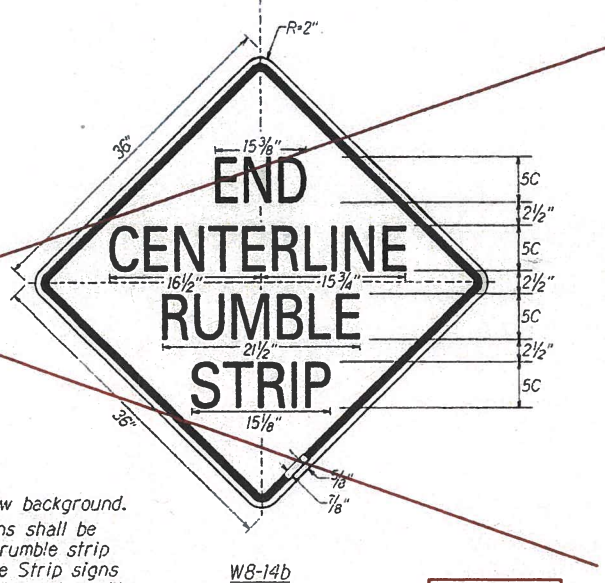
| | |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY | |
| DESIGNED BY | |
| QUANTITIES BY | |
| CHECKED BY | |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CENTERLINE MILLED RUMBLE STRIP DETAIL
HONOAPIILANI HIGHWAY
Safety Improvements
Kapoli Street to Papalaua Beach Road
Federal Aid Project No. HSIP-030-1(45)
Scale: As Shown Date: Aug. 2018
SHEET No. T15 OF 17 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | HSIP-030-K45 | 2019 | 48 | 48 |



NOTE:
1. Black legend on reflectorized yellow background.
2. Begin Centerline Rumble Strip signs shall be installed 50 feet before the first rumble strip depression. End Centerline Rumble Strip signs shall be installed 50 feet beyond the last rumble strip depression.



NIC

- SIGN NOTES**
- All signs shall conform to Section 621 of the Special Provisions and the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
 - Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
 - Sign messages shall be as indicated on the plan, or as directed by the Engineer.
 - Backing for all new Regulatory and Warning Signs shall not be spliced.
 - Final locations of all signs shall be accepted by the Engineer prior to any installation work.
 - Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
 - Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
 - All signs shall be installed on square tube posts, unless otherwise noted.
 - For centerline rumble strip sign (Shown on this sheet) each sign post shall have a Type II OM. Installation of Type II OM shall be considered incidental to sign items.
 - For all other new sign installations with post(s), each sign post shall have an RM-3 reflector marker. Installation of RM-3 shall be considered incidental to Sign Items.
 - Contractor shall mark the back of all signs using labels. Payment to be incidental to various contract items.

| | |
|-------------|------|
| DESIGNED BY | DATE |
| DRAWN BY | |
| CHECKED BY | |
| APPROVED BY | |
| NOTED BY | |
| QUANTITY BY | |
| REVISIONS | |

| LEGEND FOR AS-BUILT POSTINGS | |
|------------------------------|-------------------------------------|
| | Squiggly line for as-built deletion |
| | Double line for as-built deletion |
| Roadway | Text for as-built posting |

| |
|---|
| STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CENTERLINE RUMBLE STRIP
SIGN DETAILS AND NOTES
HONOAPIILANI HIGHWAY
Safety Improvements
Kapoli Street to Papalaua Beach Road
Federal Aid Project No. HSIP-030-K45
Scale: As Shown Date: Aug. 2018
SHEET No. 117 OF 17 SHEETS |
|---|