

GENERAL NOTES

1.

The scope of work for this project consists of installation of milled centerline rumble strips and raised rumble strips in turning lanes; replacement of traffic signal heads and installation of backplates with retroreflective borders for all traffic signal heads on mast arms; installation of pavement markings, signage, reflectors, and delineators; and replacing, resetting, and upgrading of existing guardrails and end treatments to meet current standards.
2.

The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
3.

The Contractor's attention is directed to the following Sections of the Special Provisions : Section 645 - Work Zone Traffic Control.
4.

At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
5.

The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
6.

1

All lanes shall be open to traffic during the morning and afternoon peak hours, from 5:30 a.m. to 8:30 a.m. and 3:00 p.m. to 6:00 p.m., respectively, Monday through Friday. Only one lane of highway shall be closed at any other time. Night time working hours are specified in Section 107 of the Special Provisions. Failure of the Contractor to open all lanes of traffic during these times will be subject to fees specified in Section 108.09 of the Special Provisions.

7.

Existing drainage system shall be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to any culvert work or the various contract items and will not be paid for separately.

8.

The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to bulk of work or the various contract items and will not be paid for separately.

9.

The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streeets and cross streets at all times. This work shall be considered incidental to curb ramps, or sidewalk, or the various contract items and will not be paid for separately.

10.

The Contractor shall provide and maintain a temporary pedestrian safe and easily accessible route or detour with barricades in or near the work zone. This work shall be incidental to the various contract items and will not be paid for separately.

11.

Woody plants greater than 15 feet tall should not be disturbed, removed or trimmed during the Hawaiian Hoary bat birthing and pup rearing season (June 1 through September 15). Site clearing should be timed to avoid disturbance to breeding Hawaiian Hoary Bats.
12.

Removal of plants greater than 1 meter in height shall be conducted during the dry season (May through September). Prior to removing plants with tree tobacco that are taller than 1 meter in height or disturbing the ground around or within several meters of these plants, the Contractor shall check thoroughly for the presence of Blackburn's Sphinx moth eggs and larvae. If found, the Contractor shall contact DOFAW, at (808) 587-4148.

13.

Night time construction shall not occur during seabird fledging season, Sept. 15 to Dec. 15. If lighting of the work area is required, all lights shall be shielded (minimum light spill towards the sky) and directed downwards to the maximum extent practicable.

14.

Water birds Hawaiian Stilt and Nene may be present in the vicinity of the proposed project site. If a nest is discovered at any point during construction, the Contractor shall notify the Department of Forestry and Wildlife (DOFAW) at (808) 587-4148. If a bird is present during ongoing activities, activities within 100 feet of the bird shall cease and the bird shall not be approached. Work may continue after the bird leaves the area of its own accord.
- LEGEND
- Reconstruction Areas

Resurfacing Limits

epb

Existing Electrical Pull Box

e

Existing Electrical Line

jp

Existing Joint Pole

pp

Existing Power Pole

emh

Existing Electric Manhole

t

Existing Telephone Line

tp

Existing Telephone Pole

tmh

Existing Telephone Manhole

w

Existing 12" Water Line

UMH

Adjusted Utility Manhole

wmh

Existing Water Manhole

av

Existing Water Air Valve

wv

Existing Water Valve Box

WV

Adjusted Water Valve Box

wm

Existing Water Meter

fh

Existing Fire Hydrant

sp

Existing Standpipe

s

Existing 12" Sewer Line

smh

Existing Sewer Manhole

mon.

Existing Monument

MON.

Adjusted Monument

d

Existing 24" Drain Line

sdmh

Existing Storm Drain Manhole

GDI

New Grated Drop Inlet

gdi

Existing Grated Drop Inlet

cb

Existing Catch Basin

p

Existing Traffic Sign

P

New Traffic Sign

P

New Traffic Sign With 2 Posts

o

Existing Street Light

g

Existing Metal Guardrail

r

Rumble Strip
- 1

10/23/19

Revised note.
- DATE

REVISION
- STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

PIILANI HIGHWAY SAFETY IMPROVEMENTS

North Kihei Road to the Vicinity of Wailea Ike Dr.

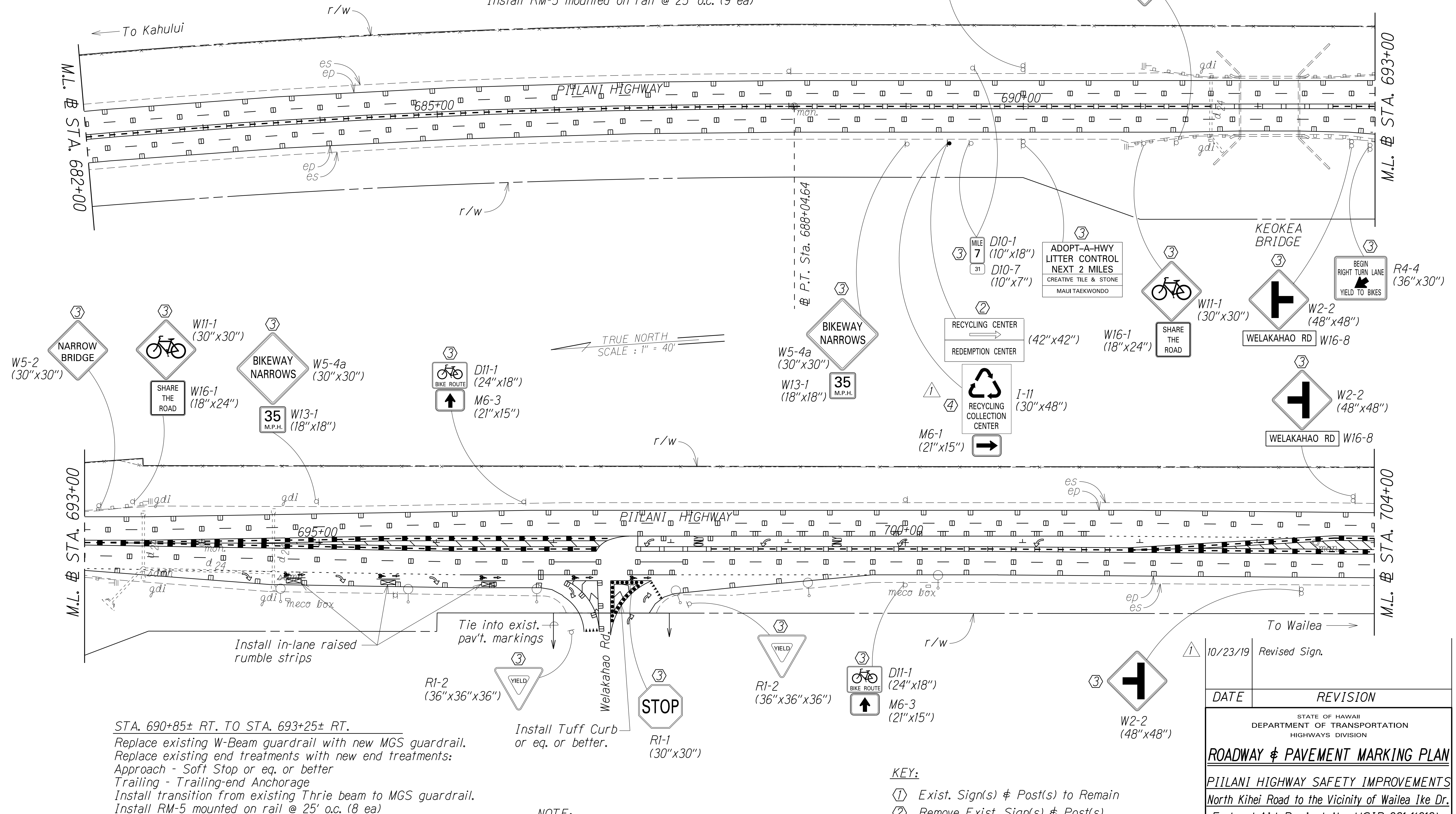
Federal-Aid Project No. HS1P-031-1(013)

Date: August, 2018

SHEET No. 1 OF 1 SHEETS
- ADD. 3

STA. 691+00± LT. TO STA. 693+50± LT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install transition from existing Thrie beam to MGS guardrail.  
 Install RM-5 mounted on rail @ 25' o.c. (9 ea)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	ADD.29	39



NOTE:  
All white edge stripe shall be 6" wide instead of 4".  
See detail sheet 18.

KEY:

- ① Exist. Sign(s)  $\neq$  Post(s) to Remain
- ② Remove Exist. Sign(s)  $\neq$  Post(s)
- ③ Remove Exist.  $\neq$  Install New Sign(s)  $\neq$  Post(s)
- ④ Install New Sign(s)  $\neq$  Post(s)

10/23/19	<i>Revised Sign.</i>
<b><i>DATE</i></b>	<b><i>REVISION</i></b>
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b><i>ROADWAY &amp; PAVEMENT MARKING PLAN</i></b>	
<b><i>PIILANI HIGHWAY SAFETY IMPROVEMENTS</i></b>	
<b><i>North Kihei Road to the Vicinity of Wailea Ike Dr.</i></b>	
<b><i>Federal-Aid Project No. HSIP-031-1(013)</i></b>	
<i>Scale: 1" = 40'                      Date: March, 2018</i>	
<b>SHEET No. 11 OF 20 SHEETS</b>	