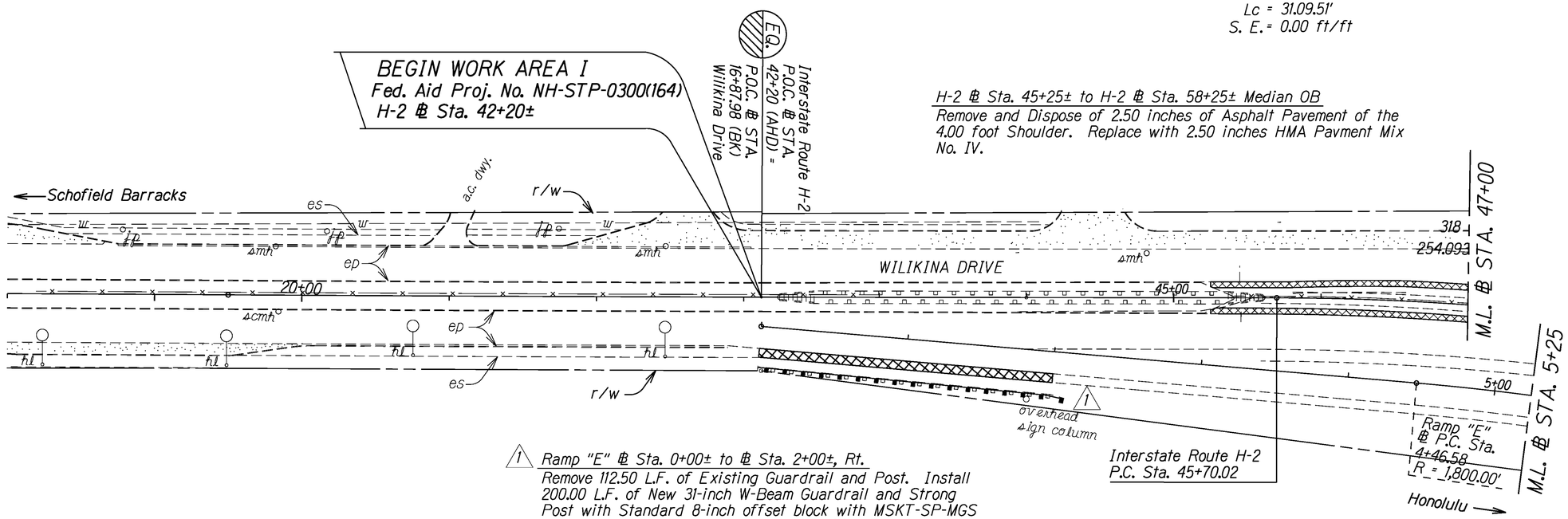
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.17	119

TRUE NORTH
SCALE : 1" = 40'

H-2 ℄ CURVE DATA
△ = 97° 05'50"
R = 1834.88'
T = 2077.50'
C = 2750.55'
Lc = 31.09.51'
S. E. = 0.00 ft/ft



H-2 ℄ Sta. 45+25± to H-2 ℄ Sta. 58+25± Median OB
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavment Mix No. IV.

1 Ramp "E" ℄ Sta. 0+00± to ℄ Sta. 2+00±, Rt.
Remove 112.50 L.F. of Existing Guardrail and Post. Install 200.00 L.F. of New 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block with MSKT-SP-MGS or approved equal on approach and Trailing-End Anchorage System. Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 Foot Shoulder and 5.00 Foot Storm Water Gutter. Replace with 2.50 inches HMA Pavement Mix No. IV. See Plan Sheet No. H1 for Storm Water Gutter Details.

H-2 ℄ Sta. 45+25± to H-2 ℄ Sta. 58+42± Median IB
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavment Mix No. IV.

1	4/16/21	Updated Construction note Ramp E ℄ Sta. 0.00 to ℄ Sta. 2.00 Corrected Location of paving hatch, existing and purposes; Guardrail location at Ramp E ℄ Sta. 0+00 to ℄ Sta. 2+00
DATE	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 1 OF 41 SHEETS

ADD. 17

ORIGINAL PLAN
NOTE BOOK No. xmls
SURVEY PLOTTED BY DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

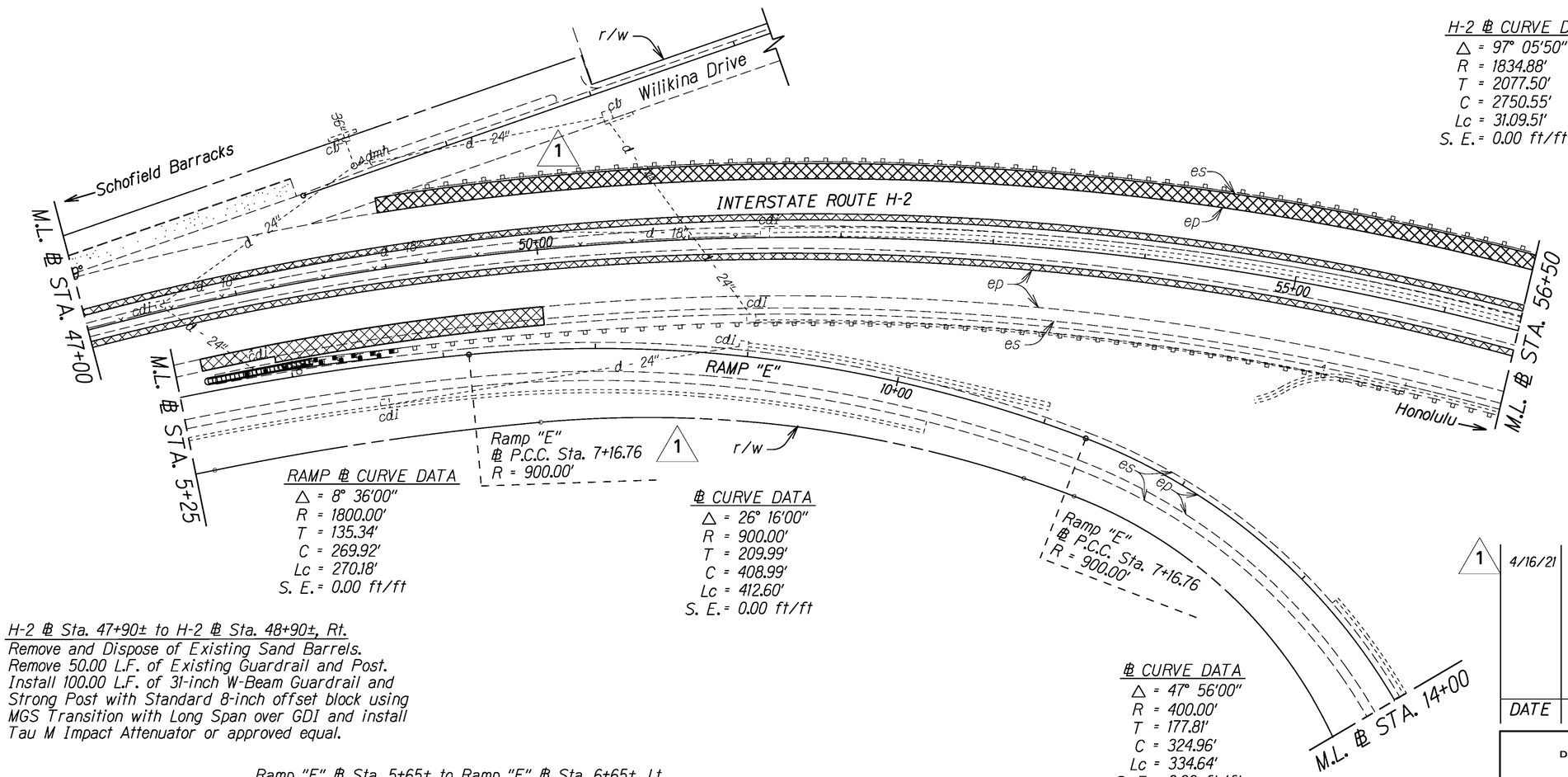
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.18	119

H-2 ℄ Sta. 49+00± to H-2 ℄ Sta. 58+00±, Lt.
Remove and Dispose of 2.50 inches of Asphalt Pavement, of the 10.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

H-2 ℄ Sta. 47+68± to H-2 ℄ Sta. 50+00±, Rt.
Remove and Dispose 2.50 inches of Asphalt Pavement of the 5.00 foot Shoulder. Replace with 2.50 inches HMA Pavment Mix No. IV.

TRUE NORTH
SCALE : 1" = 40'

H-2 ℄ CURVE DATA
△ = 97° 05'50"
R = 1834.88'
T = 2077.50'
C = 2750.55'
Lc = 31.09.51'
S. E. = 0.00 ft/ft



RAMP ℄ CURVE DATA
△ = 8° 36'00"
R = 1800.00'
T = 135.34'
C = 269.92'
Lc = 270.18'
S. E. = 0.00 ft/ft

℄ CURVE DATA
△ = 26° 16'00"
R = 900.00'
T = 209.99'
C = 408.99'
Lc = 412.60'
S. E. = 0.00 ft/ft

℄ CURVE DATA
△ = 47° 56'00"
R = 400.00'
T = 177.81'
C = 324.96'
Lc = 334.64'
S. E. = 0.00 ft/ft

1 H-2 ℄ Sta. 47+90± to H-2 ℄ Sta. 48+90±, Rt.
Remove and Dispose of Existing Sand Barrels.
Remove 50.00 L.F. of Existing Guardrail and Post.
Install 100.00 L.F. of 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block using MGS Transition with Long Span over GDI and install Tau M Impact Attenuator or approved equal.

Ramp "E" ℄ Sta. 5+65± to Ramp "E" ℄ Sta. 6+65±, Lt.
Install 100.00 L.F. of 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block.
Connect to Impact Attenuator with Long Span Over GDI and Trailing-End Anchorage System.

H-2 ℄ Sta. 48+23± to H-2 ℄ Sta. 50+00±, Rt.
Remove and Dispose 2.50 Inches of Asphalt Pavement, of the 5.00 Foot Storm Water Gutter. See Plan Sheet No. H1 for Storm Water Gutter Details.

	DATE	REVISION
1	4/16/21	Removed guardrail H-2 ℄ Sta. 49+32 to 49+82 note from plans outbound Removed new guardrail H-2 ℄ Sta. 49+32 to 49+82 note from plans outbound Revised impact attenuator note at H-2 ℄ Sta. 47+90 to 48+90 inbound Corrected Ramp E P.C.C. ℄ Sta. 7+16.76

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

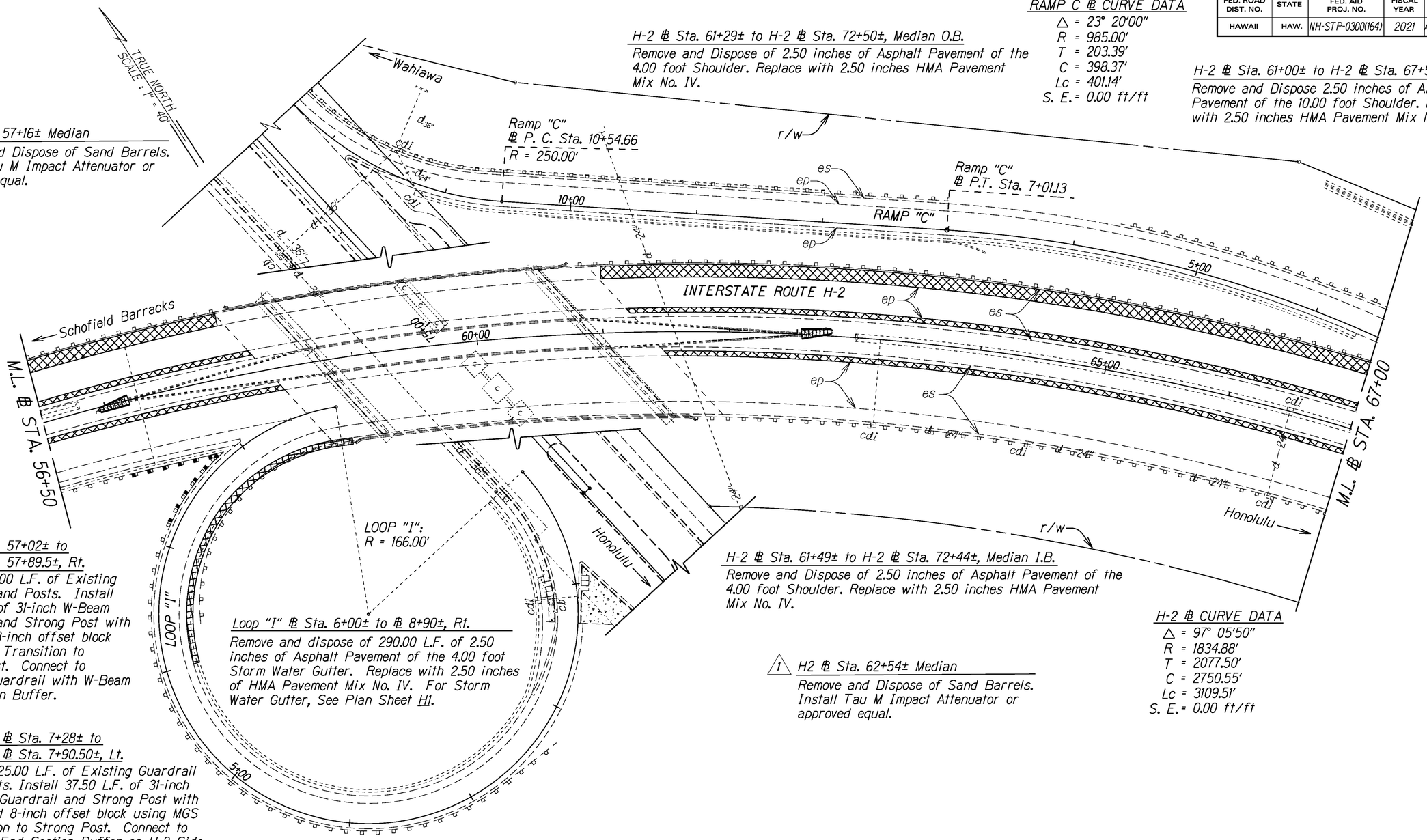
Scale: 1" = 40' Date: August, 2020

SHEET No. 2 OF 41 SHEETS

ADD. 18

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | N. XMIS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD. 19	119



RAMP C ℄ CURVE DATA
△ = 23° 20'00"
R = 985.00'
T = 203.39'
C = 398.37'
Lc = 401.14'
S. E. = 0.00 ft/ft

H-2 ℄ Sta. 61+29± to H-2 ℄ Sta. 72+50±, Median O.B.
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

H-2 ℄ Sta. 61+00± to H-2 ℄ Sta. 67+50±, Lt.
Remove and Dispose 2.50 inches of Asphalt Pavement of the 10.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

1 H2 ℄ Sta. 57+16± Median
Remove and Dispose of Sand Barrels. Install Tau M Impact Attenuator or approved equal.

H-2 ℄ Sta. 57+02± to
H-2 ℄ Sta. 57+89.5±, Rt.
Remove 25.00 L.F. of Existing Guardrail and Posts. Install 37.50 L.F. of 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block using MGS Transition to Strong Post. Connect to Loop "I" Guardrail with W-Beam End Section Buffer.

Loop "I" ℄ Sta. 6+00± to ℄ 8+90±, Rt.
Remove and dispose of 290.00 L.F. of 2.50 inches of Asphalt Pavement of the 4.00 foot Storm Water Gutter. Replace with 2.50 inches of HMA Pavement Mix No. IV. For Storm Water Gutter, See Plan Sheet H1.

Loop "I" ℄ Sta. 7+28± to
Loop "I" ℄ Sta. 7+90.50±, Lt.
Remove 25.00 L.F. of Existing Guardrail and Posts. Install 37.50 L.F. of 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block using MGS Transition to Strong Post. Connect to W-Beam End Section Buffer on H-2 Side.

RAMP E ℄ CURVE DATA
△ = 80° 33'54"
R = 250.00'
T = 211.88'
C = 323.28'
Lc = 351.53'
S. E. = 0.00 ft/ft

H-2 ℄ Sta. 61+49± to H-2 ℄ Sta. 72+44±, Median I.B.
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

1 H2 ℄ Sta. 62+54± Median
Remove and Dispose of Sand Barrels. Install Tau M Impact Attenuator or approved equal.

H-2 ℄ CURVE DATA
△ = 97° 05'50"
R = 1834.88'
T = 2077.50'
C = 2750.55'
Lc = 3109.51'
S. E. = 0.00 ft/ft

1	4/16/21	Updated impact attenuator notes at H-2 ℄ Sta. 57+16 and 62+54 Median
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2021

SHEET No. 3 OF 41 SHEETS

ADD. 19

ORIGINAL PLAN
SURVEY PLOTTED BY ____ DATE ____
DRAWN BY ____
TRACED BY ____
DESIGNED BY ____
QUANTITIES BY ____
CHECKED BY ____
NOTE BOOK XMIS
N. ____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.20	119

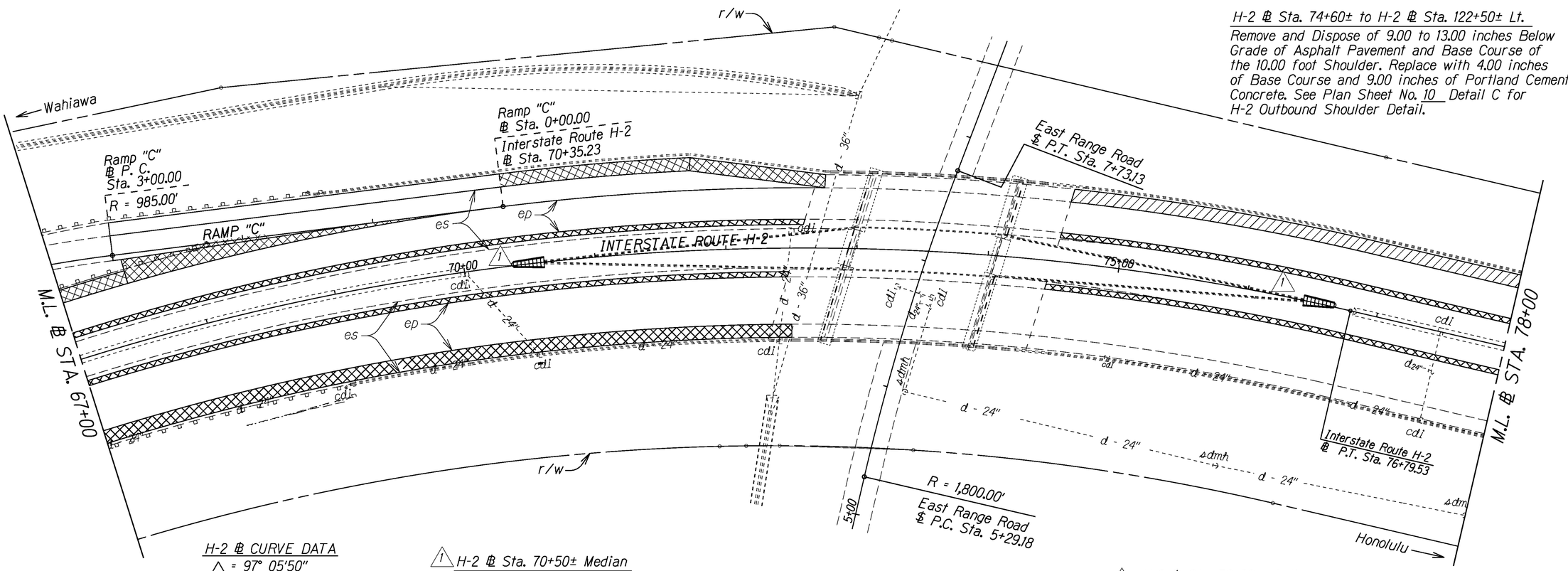
TRUE NORTH
SCALE : 1" = 40'

H-2 ⌖ Sta. 74+57± to H-2 ⌖ Sta. 128+80±, Median O.B.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

H-2 ⌖ Sta. 74+60± to H-2 ⌖ Sta. 122+50± Lt.

Remove and Dispose of 9.00 to 13.00 inches Below Grade of Asphalt Pavement and Base Course of the 10.00 foot Shoulder. Replace with 4.00 inches of Base Course and 9.00 inches of Portland Cement Concrete. See Plan Sheet No. 10 Detail C for H-2 Outbound Shoulder Detail.



H-2 ⌖ CURVE DATA

△ = 97° 05'50"
R = 1834.88'
T = 2077.50'
C = 2750.55'
Lc = 3109.51'
S. E. = 0.00 ft/ft

1 H-2 ⌖ Sta. 70+50± Median

Remove and Dispose of Sand Barrels.
Install Tau M Impact Attenuator or approved equal.

1 H-2 ⌖ Sta. 76+83± Median

Remove and Dispose of Sand Barrels.
Install Tau M Impact Attenuator or approved equal.

H-2 ⌖ Sta. 67+50± to H-2 ⌖ Sta. 70+40± Gore

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 0.00 to 23.00 foot Gore. Replace with 2.50 inches HMA Pavement Mix No. IV.

H-2 ⌖ Sta. 74+47± to H-2 ⌖ Sta. 128+80±, Median I.B.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

Ramp C ⌖ Sta. 0+00± to H-2 ⌖ Sta. 72+68± Lt.

Remove and Dispose 2.50 inches of Asphalt Pavement and 7.5 inches of Aggregate Base of the 10.00 foot Shoulder. Replace with two 4.00 inches lifts of HMAB and 2.00 inches of Polymer Modified Asphalt.

1	4/16/21	Updated impact attenuator notes at H-2 ⌖ Sta. 70+50 and 76+83 median Updated plan to show new impact attenuator at H-2 ⌖ Sta. 70+50 and 76+83 median
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 4 OF 41 SHEETS

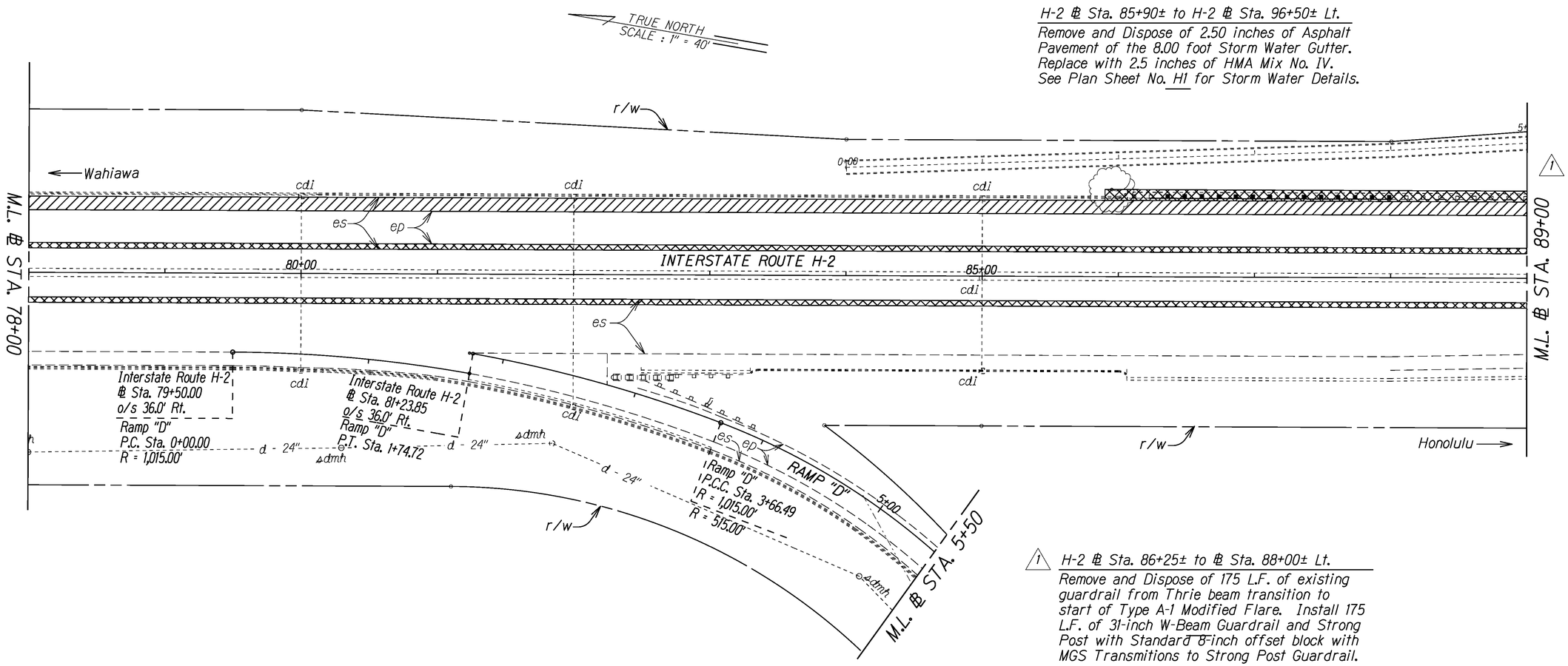
ADD. 20

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK
No. XMIS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.21	119

H-2 ℄ Sta. 85+90± to H-2 ℄ Sta. 96+50± Lt.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 8.00 foot Storm Water Gutter. Replace with 2.5 inches of HMA Mix No. IV. See Plan Sheet No. H1 for Storm Water Details.



1 H-2 ℄ Sta. 86+25± to ℄ Sta. 88+00± Lt.

Remove and Dispose of 175 L.F. of existing guardrail from Thrie beam transition to start of Type A-1 Modified Flare. Install 175 L.F. of 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block with MGS Transmitions to Strong Post Guardrail.

	DATE	REVISION
1	4/16/21	Added construction note for new guardrail H-2 ℄ Sta. 86+25 to 88+00 outbound Added new guardrail at H-2 ℄ Sta. 86+25 to 88+00 outbound Revised hatching from PCC to AC

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

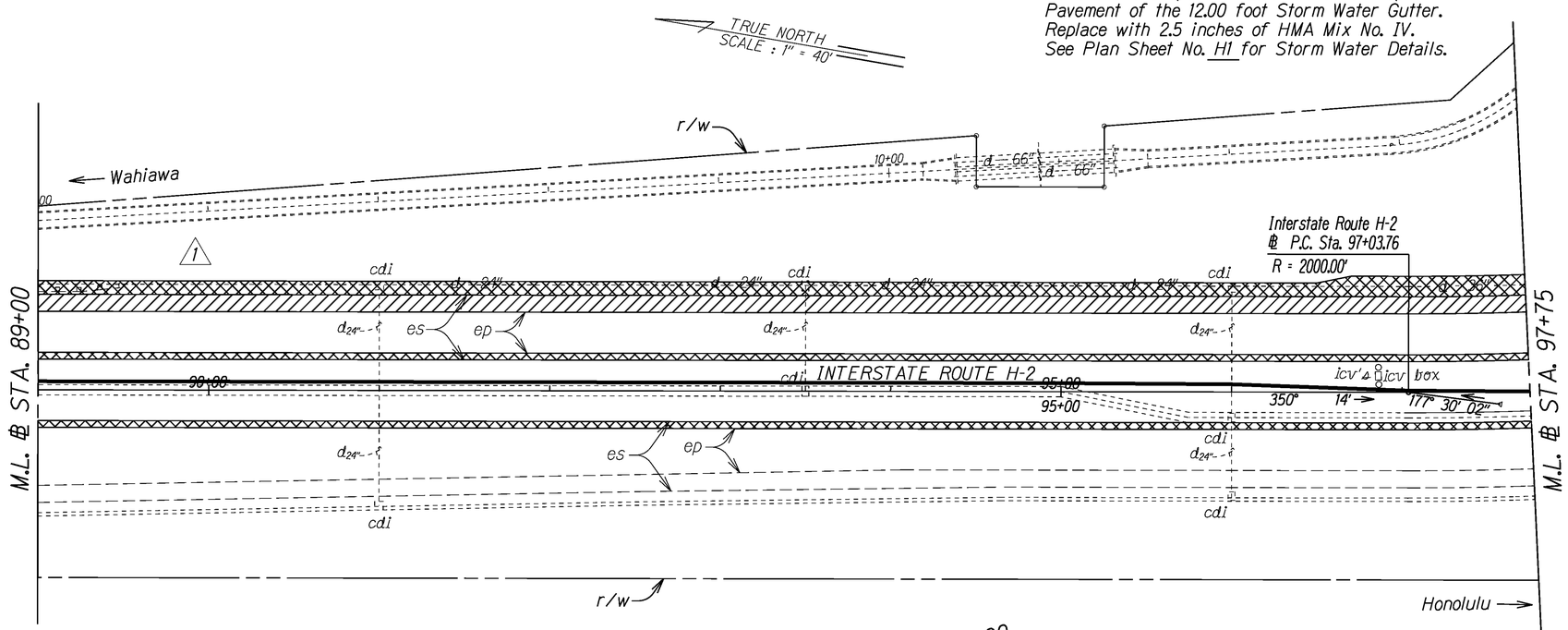
SHEET No. 5 OF 41 SHEETS

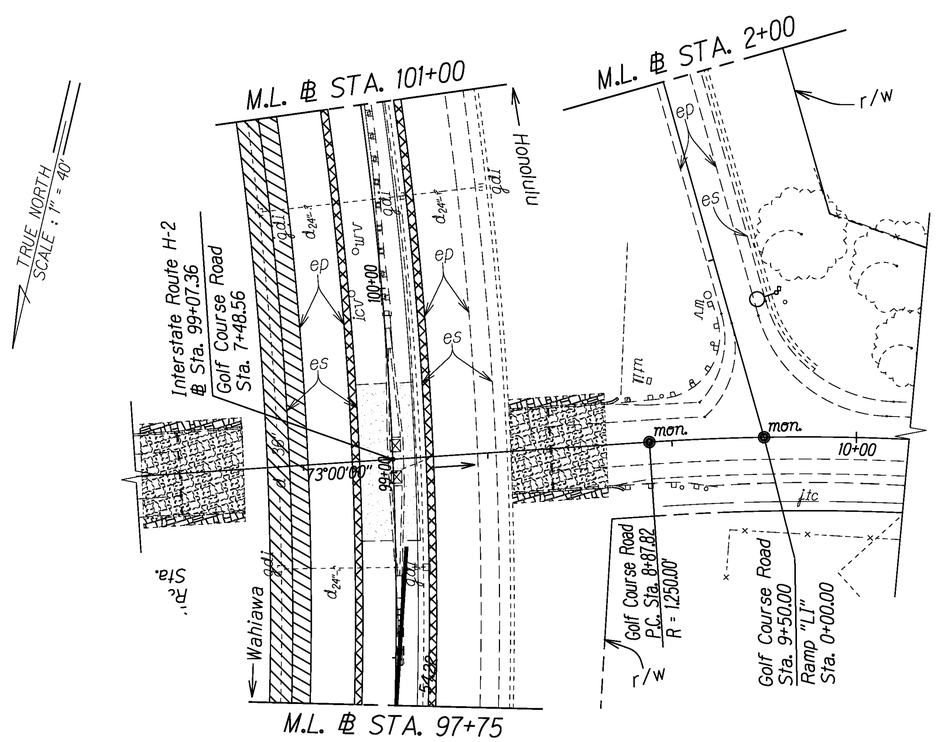
ADD. 21

ORIGINAL PLAN	SURVEY PLOTTED BY ____ DATE ____
	DRAWN BY . . . . .
	TRACED BY
NOTE BOOK	DESIGNED BY
No. XMIS	QUANTITIES BY
	CHECKED BY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.22	119

H-2 ℄ Sta. 96+50± to H-2 ℄ Sta. 122+50± Lt.
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 12.00 foot Storm Water Gutter.
Replace with 2.5 inches of HMA Mix No. IV.
See Plan Sheet No. H1 for Storm Water Details.





1	4/16/21	Revised hatching from PCC to AC
DATE	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

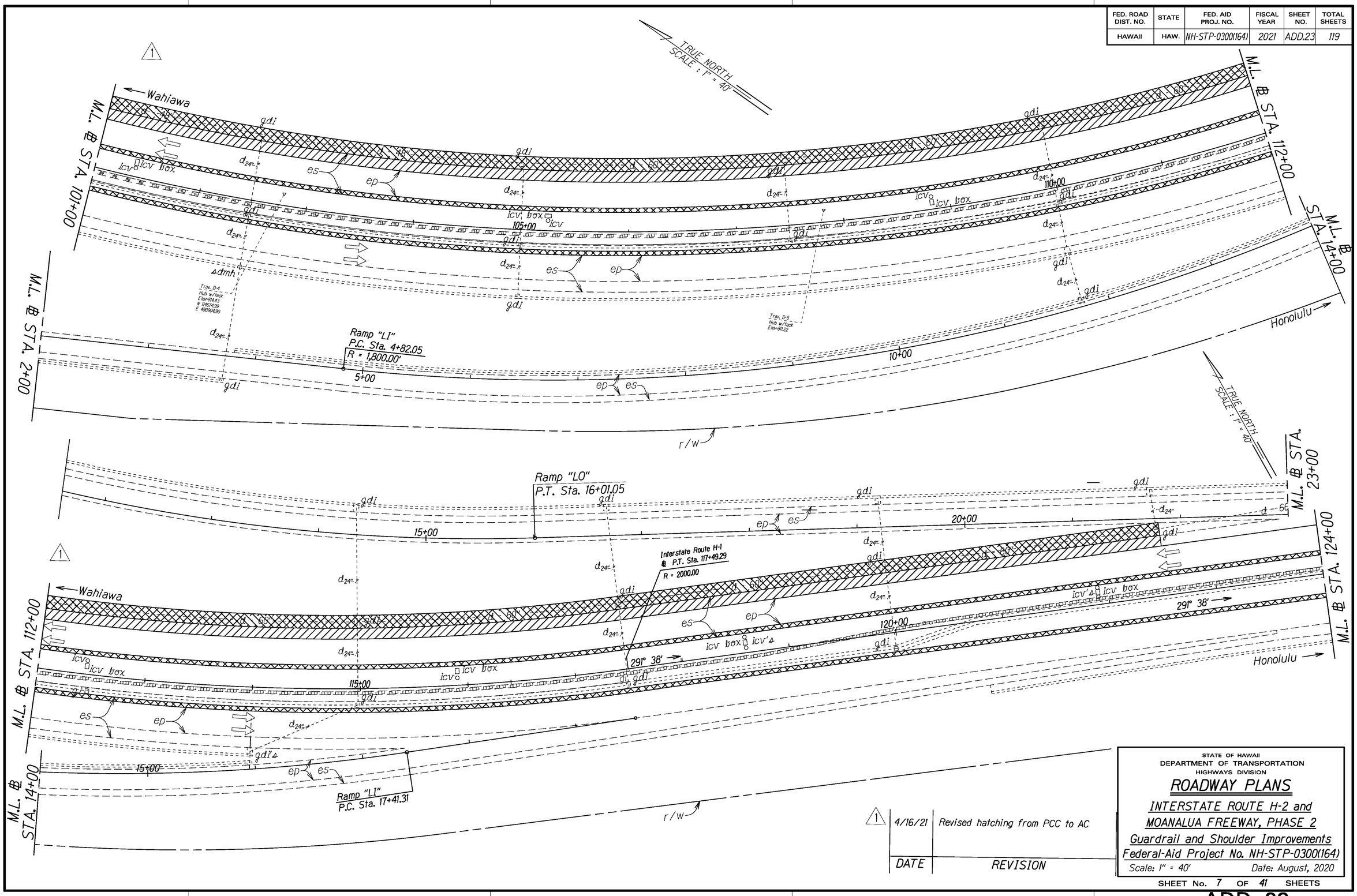
Scale: 1" = 40' Date: August, 2020

SHEET No. 6 OF 41 SHEETS

ADD. 22

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
XMIS	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.23	119



DATE	REVISION
4/16/21	Revised hatching from PCC to AC

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

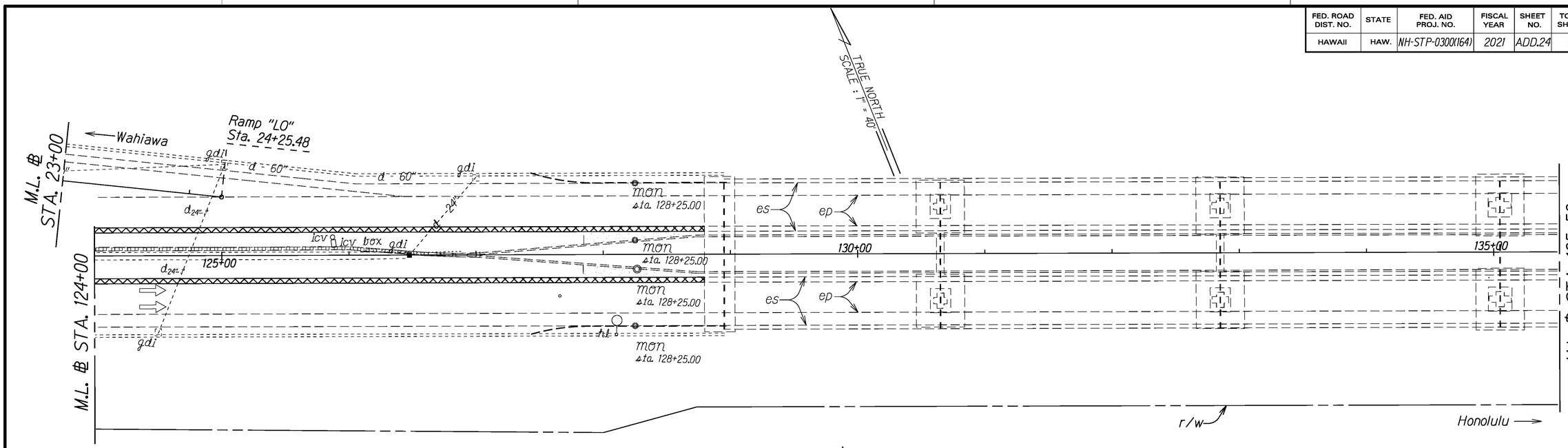
Scale: 1" = 40' Date: August, 2020

SHEET No. 7 OF 41 SHEETS

ADD. 23

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK XMIS	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

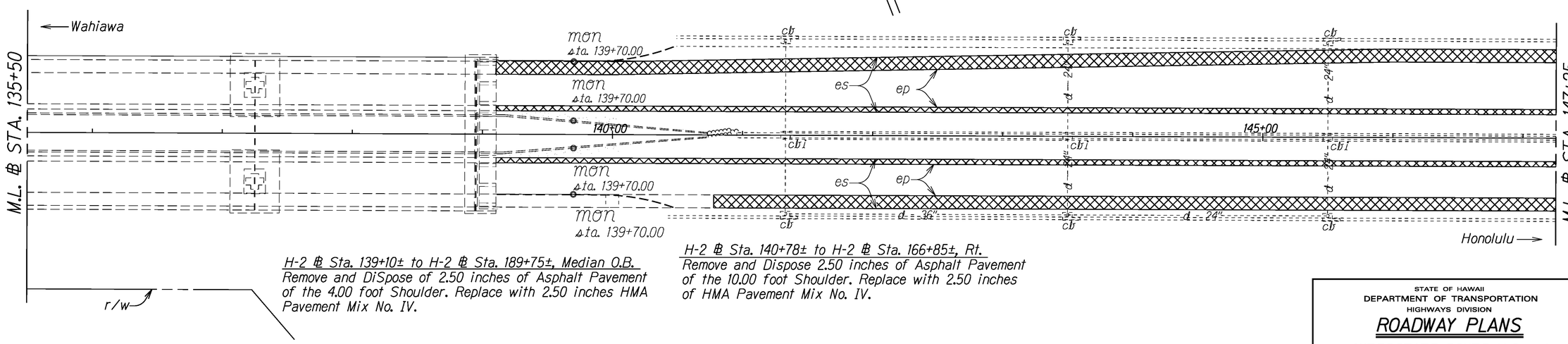
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.24	119



H-2 ℄ Sta. 139+10± to H-2 ℄ Sta. 189+78±, Median I.B.
Remove and DiSpose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

H-2 ℄ Sta. 139+10± to H-2 ℄ Sta. 164+09±, Lt.
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 10.00 foot Shoulder. Replace with 2.50 inches of HMA Pavement Mix No. IV.

1 H-2 ℄ Sta. 141+25±, Median
Remove and Dispose of Sand Barrels, Install TAU M Impact Attenuator or approved equal..



H-2 ℄ Sta. 139+10± to H-2 ℄ Sta. 189+75±, Median O.B.
Remove and DiSpose of 2.50 inches of Asphalt Pavement of the 4.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

H-2 ℄ Sta. 140+78± to H-2 ℄ Sta. 166+85±, Rt.
Remove and Dispose 2.50 inches of Asphalt Pavement of the 10.00 foot Shoulder. Replace with 2.50 inches of HMA Pavement Mix No. IV.

DATE	REVISION
1 4/16/21	Updated impact attenuator note at H-2 ℄ Sta. 141+25 median

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

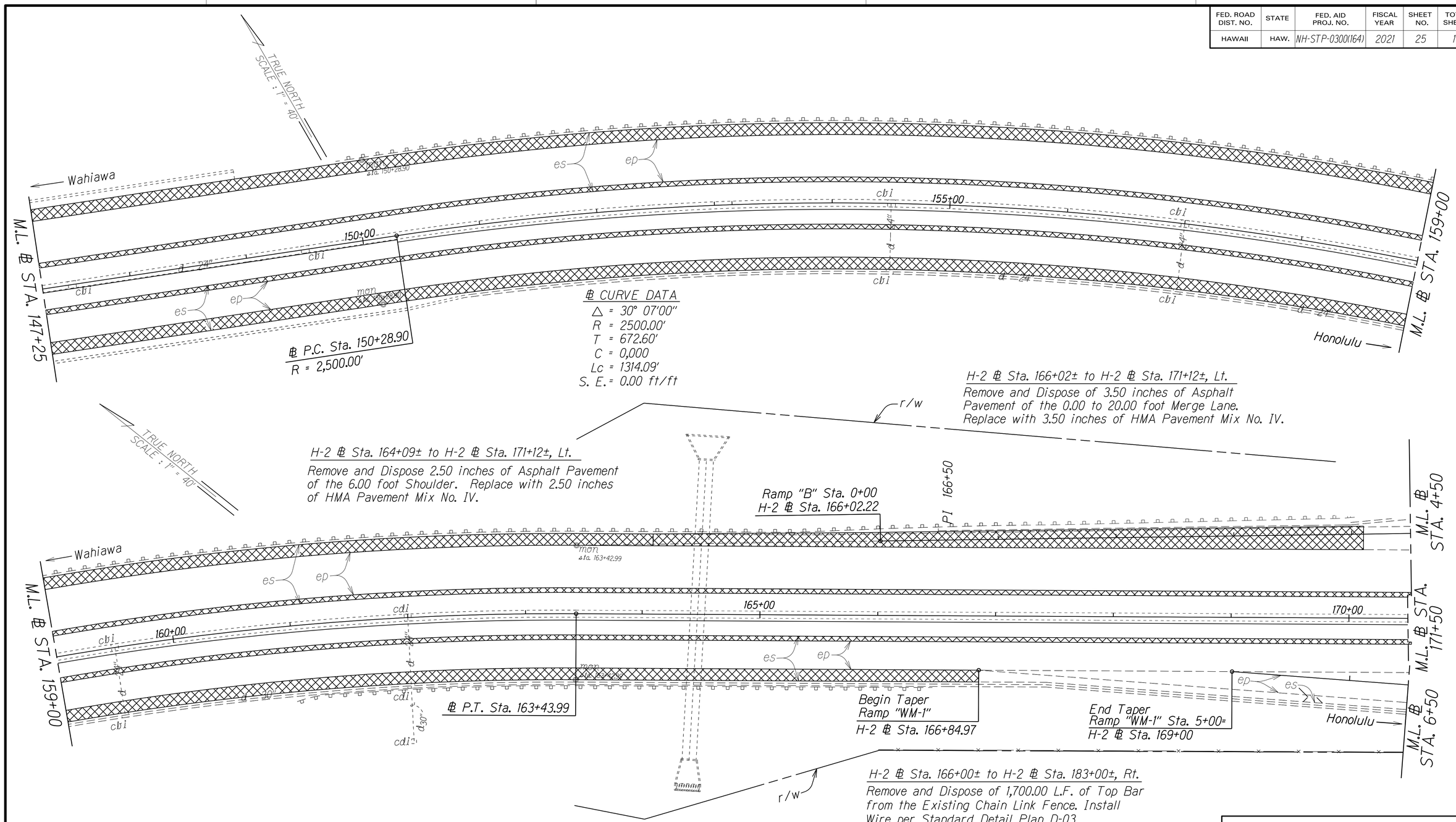
Scale: 1" = 40' Date: August, 2020

SHEET No. 8 OF 41 SHEETS

ADD. 24

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK X(M)S No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	25	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
N. XMIS	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

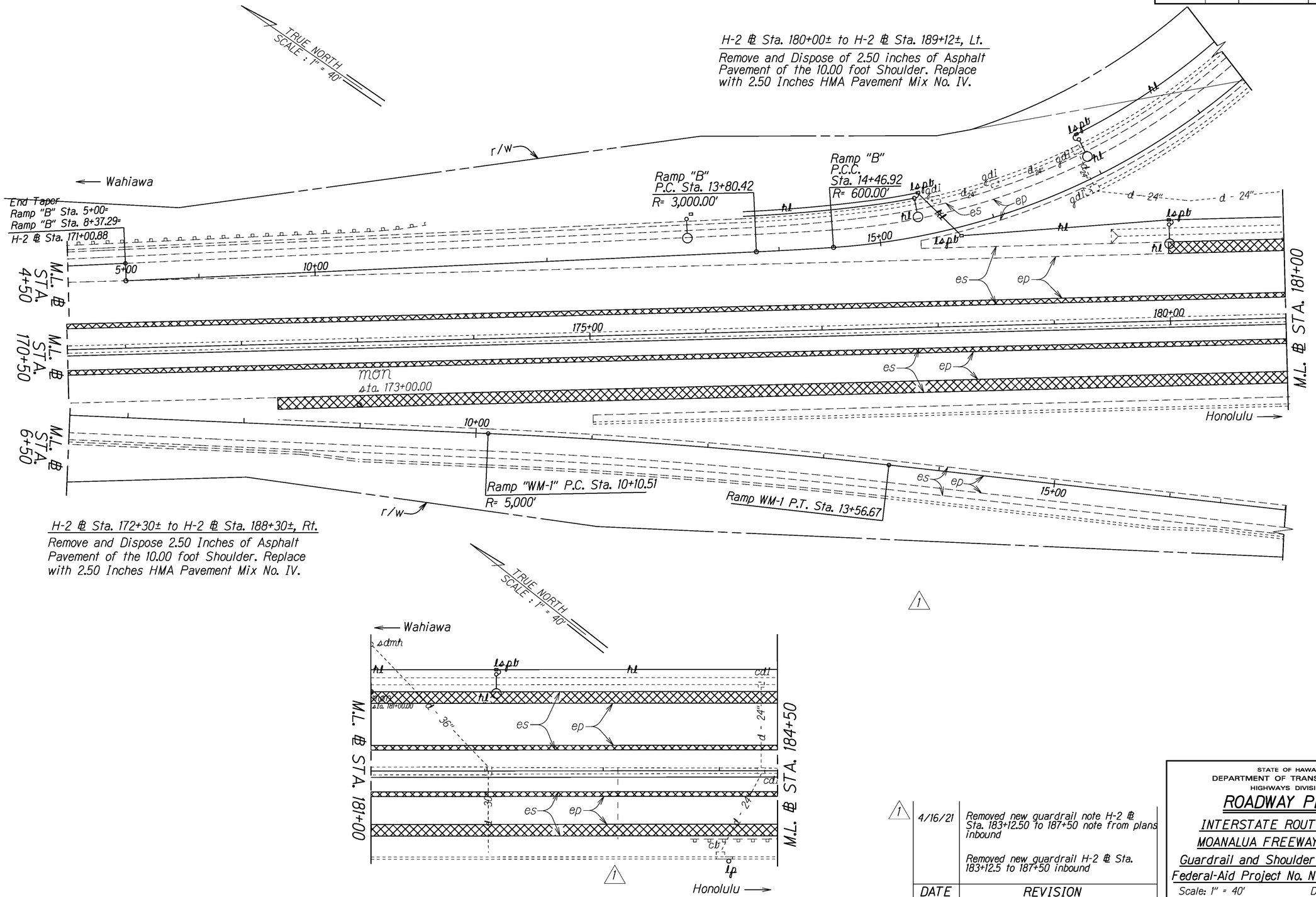
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 9 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.26	119



DATE	REVISION
4/16/21	Removed new guardrail note H-2 ℄ Sta. 183+12.50 to 187+50 note from plans inbound Removed new guardrail H-2 ℄ Sta. 183+12.5 to 187+50 inbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

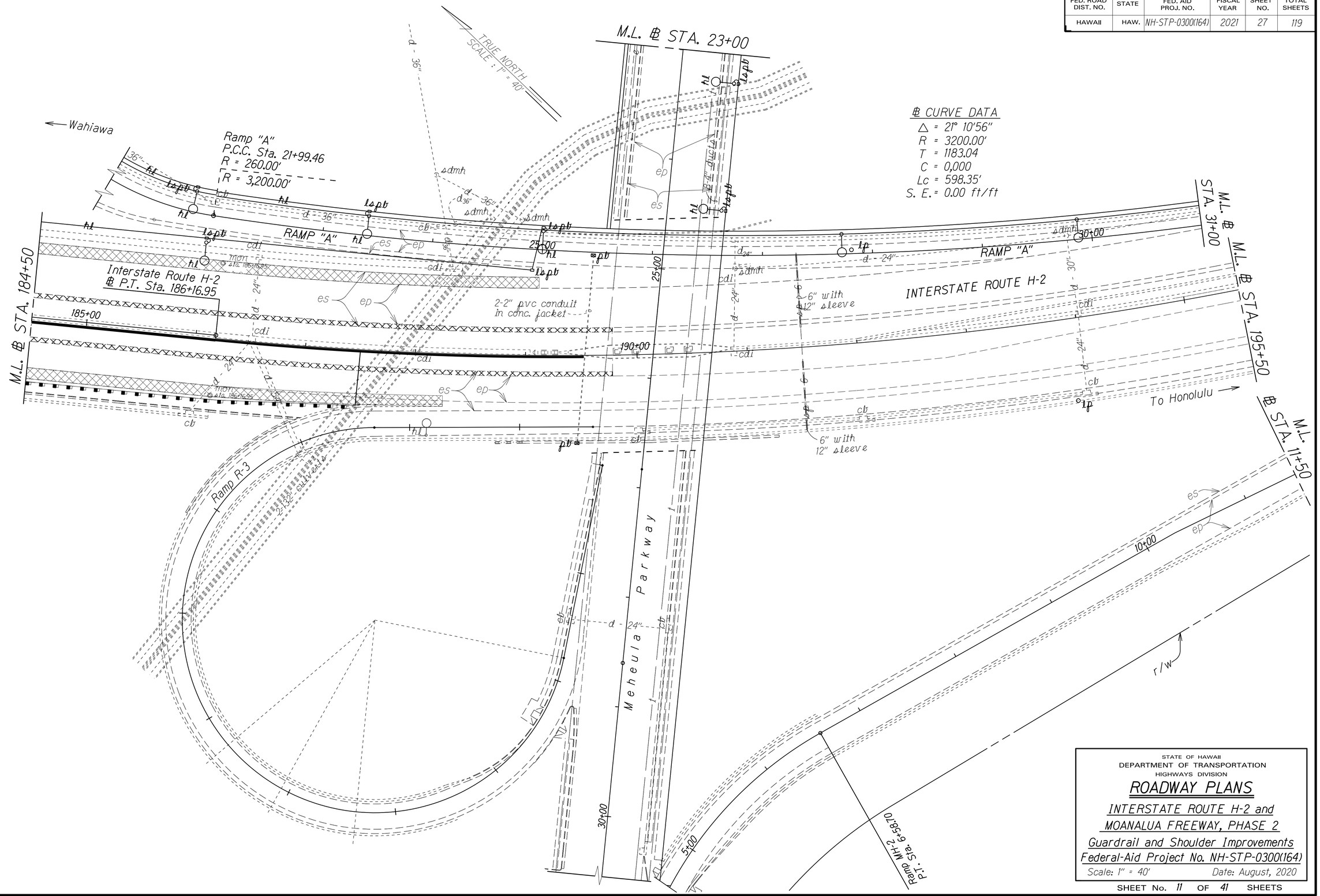
Scale: 1" = 40' Date: August, 2020

SHEET No. 10 OF 41 SHEETS

ADD. 26

ORIGINAL PLAN — SURVEY PLOTTED BY / DRAWN BY / TRACED BY / DESIGNED BY / QUANTITIES BY / CHECKED BY — DATE
NOTE BOOK XMIS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	27	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
XMIS	QUANTITIES BY	
No.	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

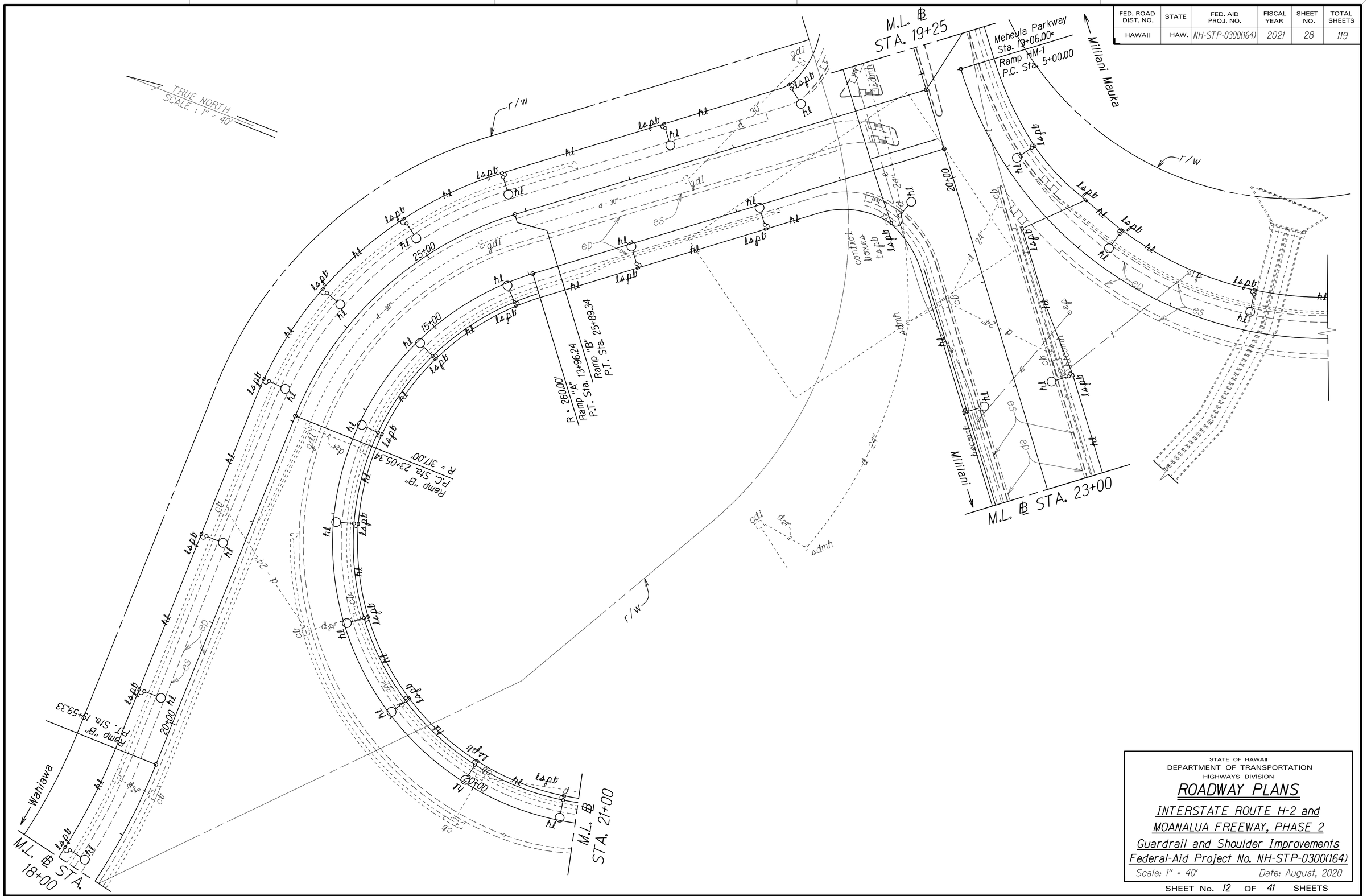
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 11 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	28	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No. XMIS	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

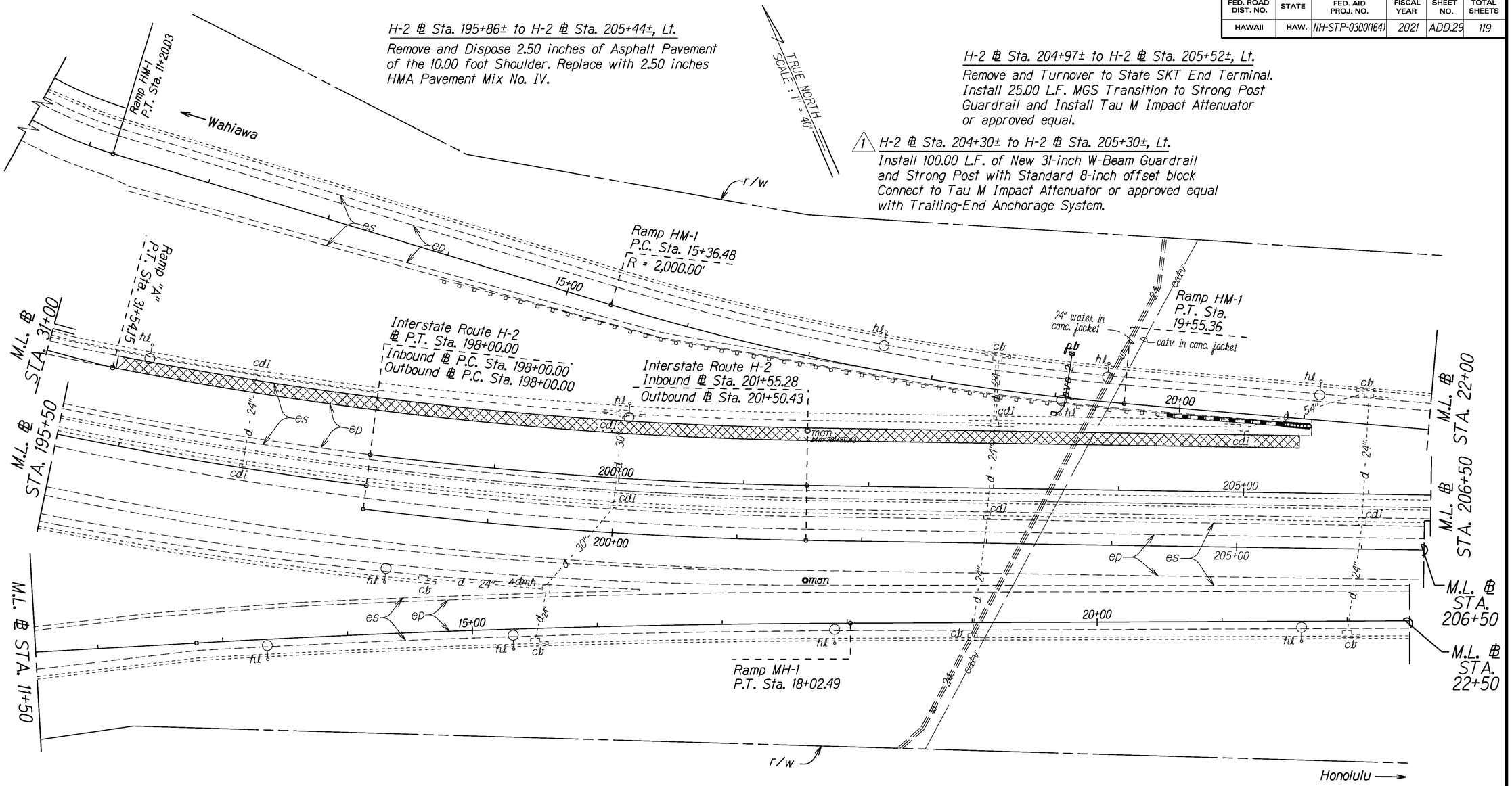
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 12 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.29	119



1	4/16/21	Updated impact attenuator note H-2 ℄ Sta. 204+97 to 205+52 and note at ℄ Sta. 204+30 to 205+30 outbound
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

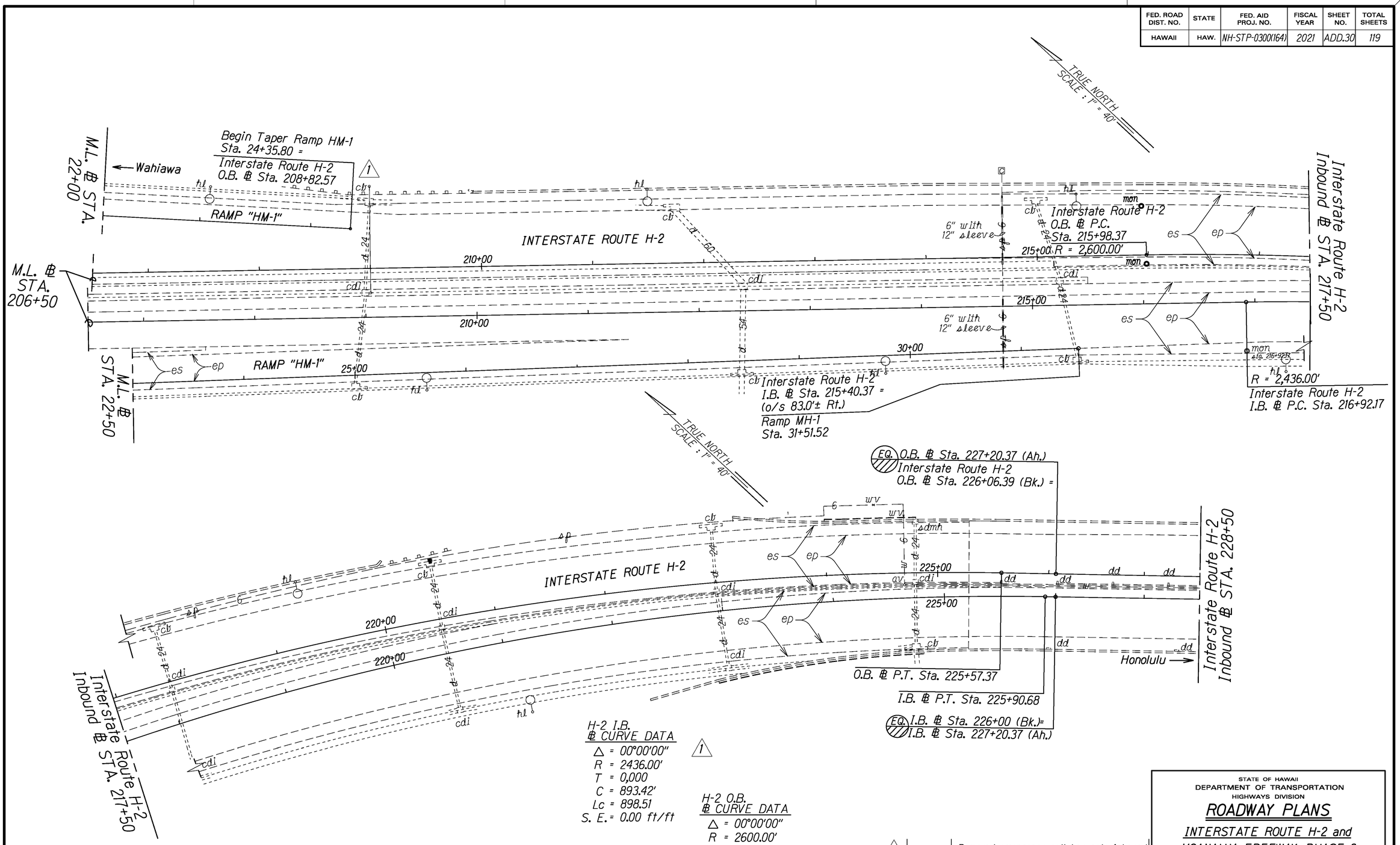
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 13 OF 41 SHEETS

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No. XMS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.30	119



H-2 I.B. ℄ CURVE DATA

△ = 00°00'00"
R = 2436.00'
T = 0,000
C = 893.42'
Lc = 898.51
S. E. = 0.00 ft/ft

H-2 O.B. ℄ CURVE DATA

△ = 00°00'00"
R = 2600.00'
T = 0,000
C = 953.70'
Lc = 959.12'
S. E. = 0.00 ft/ft

DATE	REVISION
4/16/21	Removed emergency call box note inbound Removed new guardrail H-2 ℄ Sta. 207+50 to 208+50 inbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

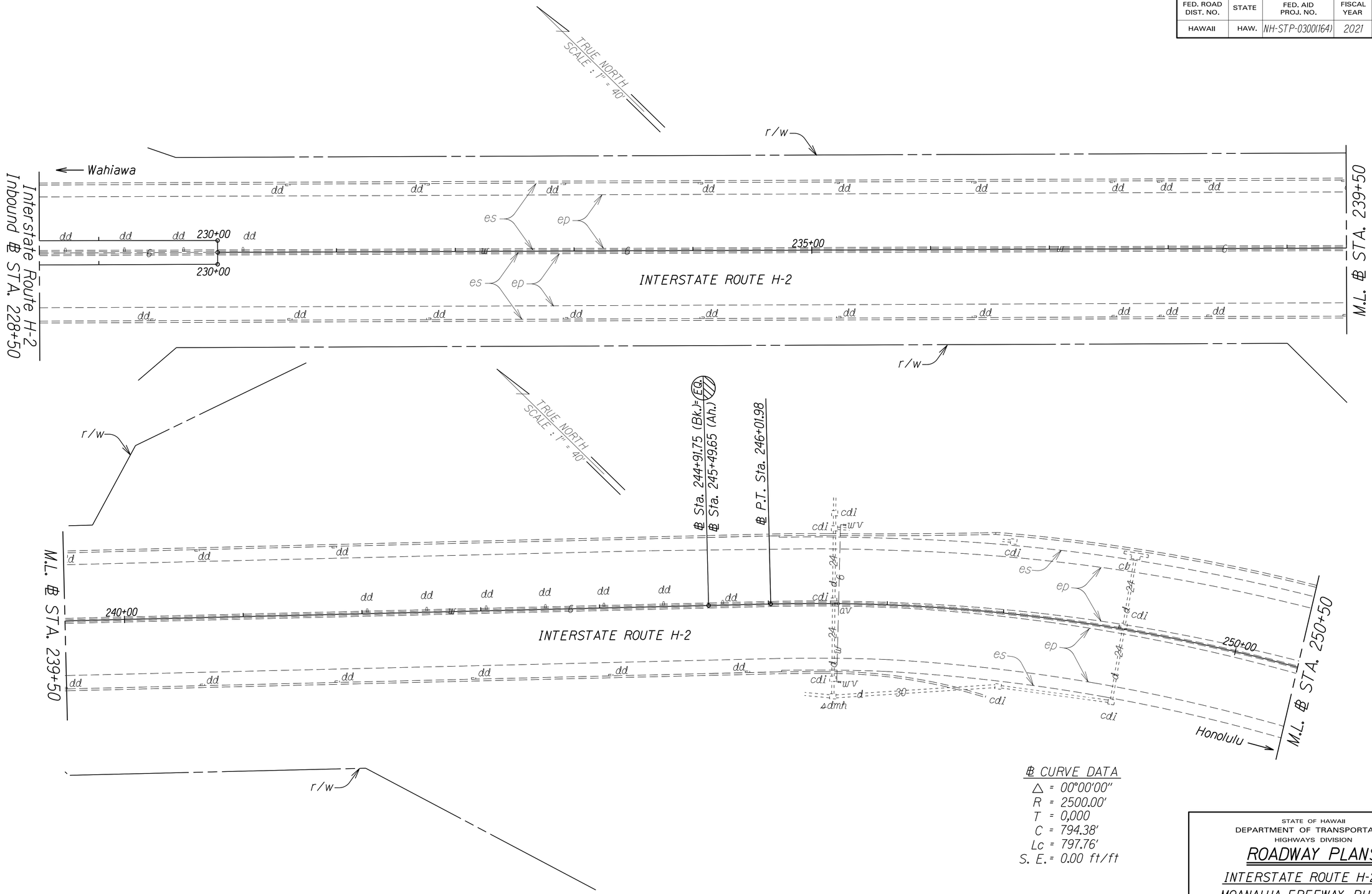
Scale: 1" = 40' Date: August, 2020

SHEET No. 14 OF 41 SHEETS

ADD. 30

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK XMIS No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	31	119



℄ CURVE DATA

△ = 00°00'00"
R = 2500.00'
T = 0.000
C = 794.38'
Lc = 797.76'
S. E. = 0.00 ft/ft

dd = deck drain

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

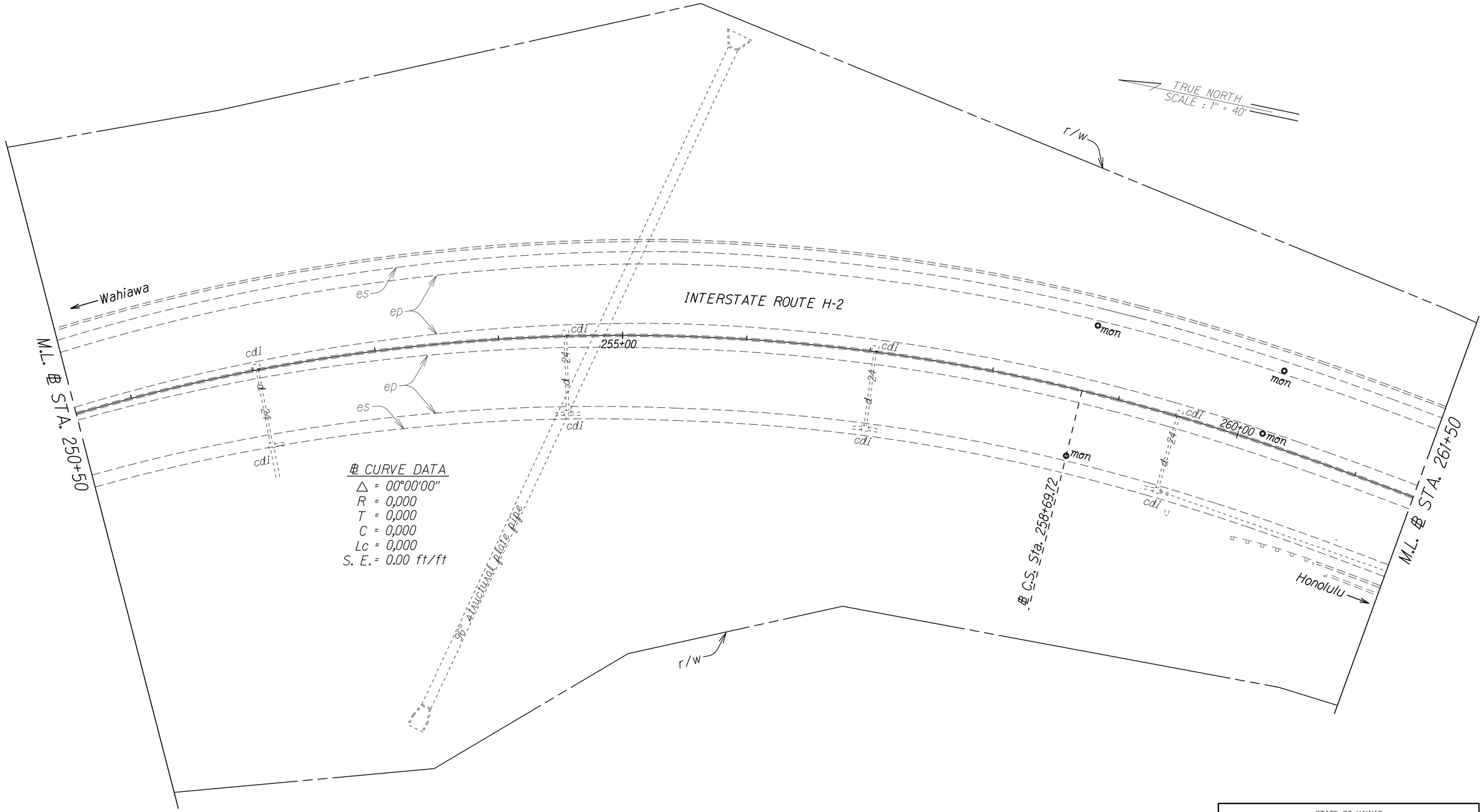
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 15 OF 41 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
XMIS	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	32	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No. XMIS	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 16 OF 41 SHEETS

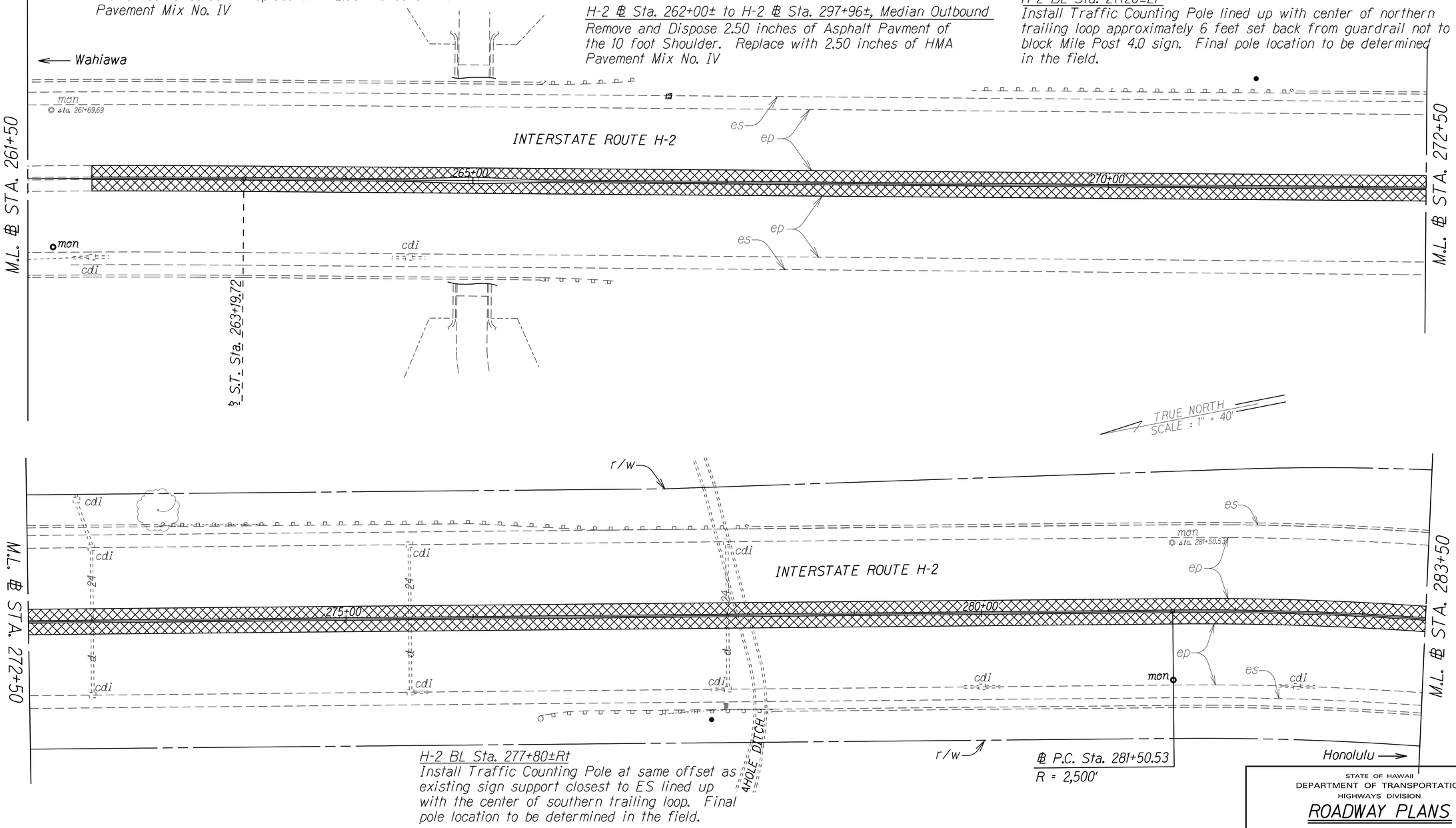
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	33	119

TRUE NORTH
SCALE : 1" = 40'

H-2 ℄ Sta. 262+00± to H-2 ℄ Sta. 301+50±, Median Inbound
Remove and Dispose 2.50 inches of Asphalt Pavement of the 10 foot Shoulder. Replace with 2.50 inches of HMA Pavement Mix No. IV

H-2 ℄ Sta. 262+00± to H-2 ℄ Sta. 297+96±, Median Outbound
Remove and Dispose 2.50 inches of Asphalt Pavment of the 10 foot Shoulder. Replace with 2.50 inches of HMA Pavement Mix No. IV

H-2 BL Sta. 27120±Lt
Install Traffic Counting Pole lined up with center of northern trailing loop approximately 6 feet set back from guardrail not to block Mile Post 4.0 sign. Final pole location to be determined in the field.



H-2 BL Sta. 277+80±Rt
Install Traffic Counting Pole at same offset as existing sign support closest to ES lined up with the center of southern trailing loop. Final pole location to be determined in the field.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No. X/MiS	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

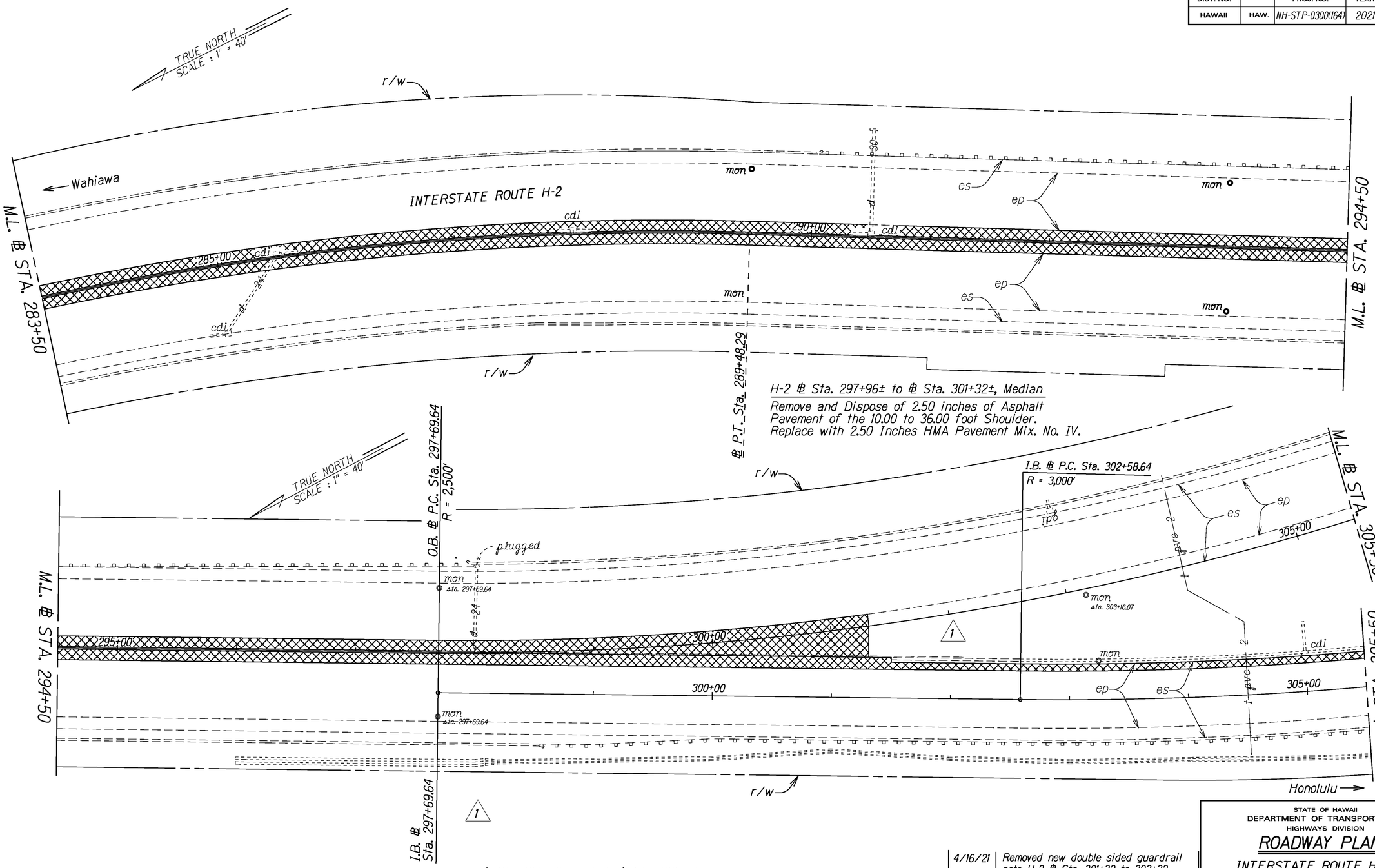
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 17 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.34	119



H-2 ℄ Sta. 301+50± to H-2 ℄ Sta. 309+50±, Median Inbound

Remove 2.50 inches of Asphalt Pavement of the 6.00 foot Shoulder and 4.00 foot Storm Water Gutter. Replace Shoulder with 2.50 inches HMA Pavement Mix No. IV. See Plan Sheet H1 for Storm Water Gutter Detail.

DATE	REVISION
4/16/21	Removed new double sided guardrail note H-2 ℄ Sta. 301+32 to 303+32 inbound Removed new double sided guardrail H-2 ℄ Sta. 301+32 to 303+32 inbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

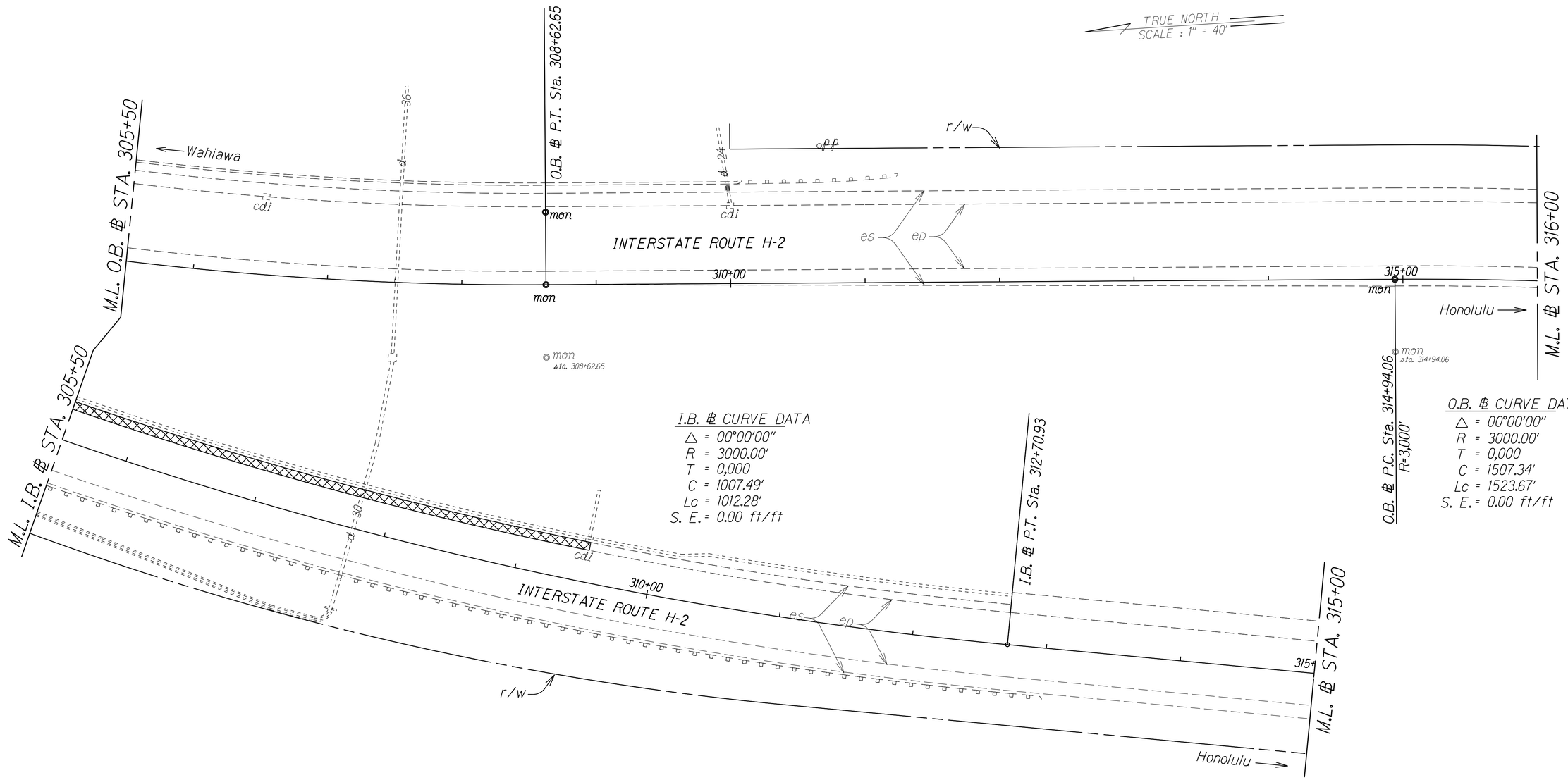
INTERSTATE ROUTE H-2 and MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 18 OF 41 SHEETS

ORIGINAL PLAN — NOTE BOOK No. XMIS
SURVEY PLOTTED BY — DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	35	119



I.B. ℄ CURVE DATA

△ = 00°00'00"
R = 3000.00'
T = 0.000
C = 1007.49'
Lc = 1012.28'
S. E. = 0.00 ft/ft

O.B. ℄ CURVE DATA

△ = 00°00'00"
R = 3000.00'
T = 0.000
C = 1507.34'
Lc = 1523.67'
S. E. = 0.00 ft/ft

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No. XMS	QUANTITIES BY	
	CHECKED BY	

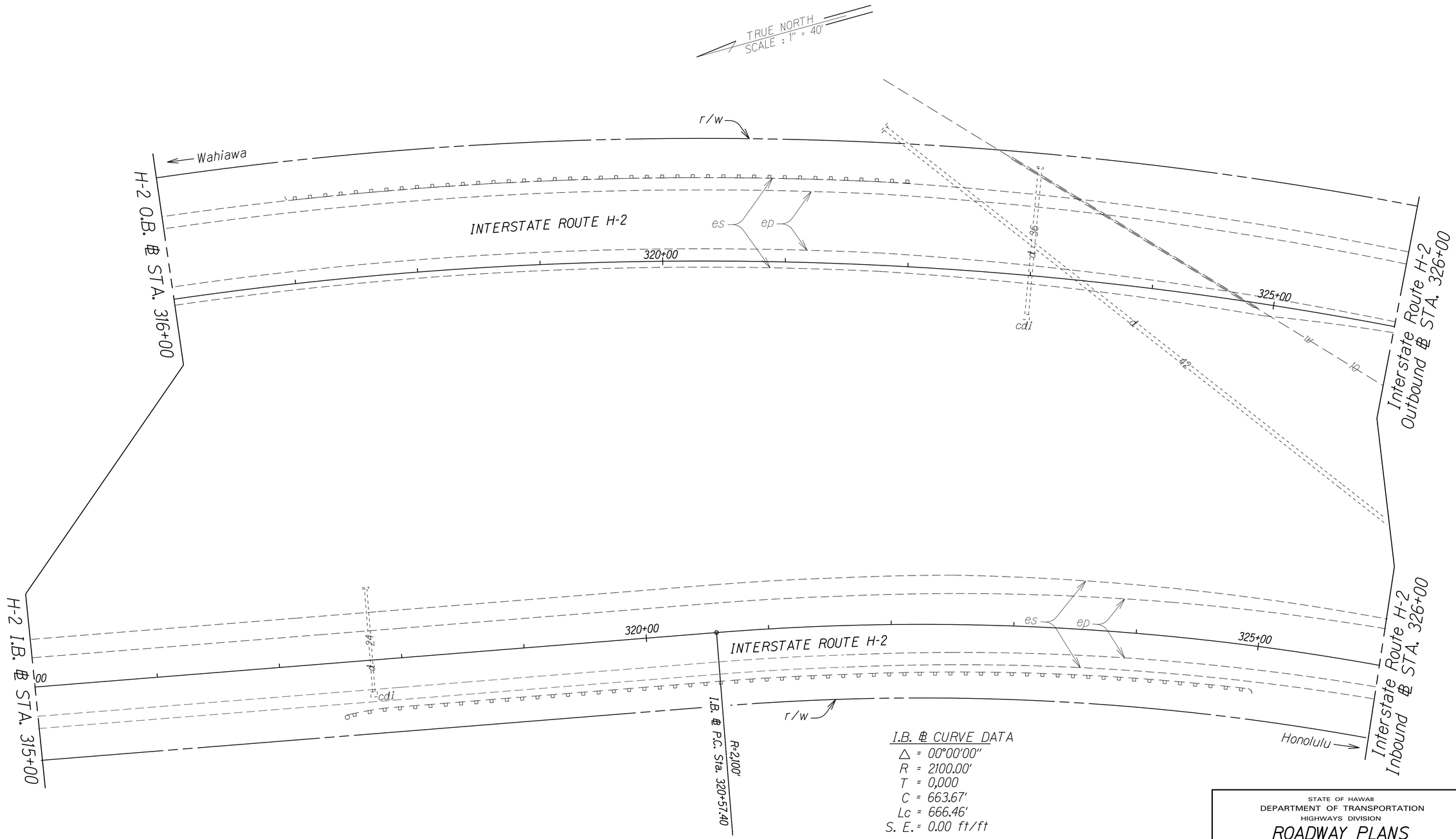
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	36	119



I.B. ⊕ CURVE DATA

△ = 00°00'00"
R = 2100.00'
T = 0.000
C = 663.67'
Lc = 666.46'
S. E. = 0.00 ft/ft

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
N. XWIS	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

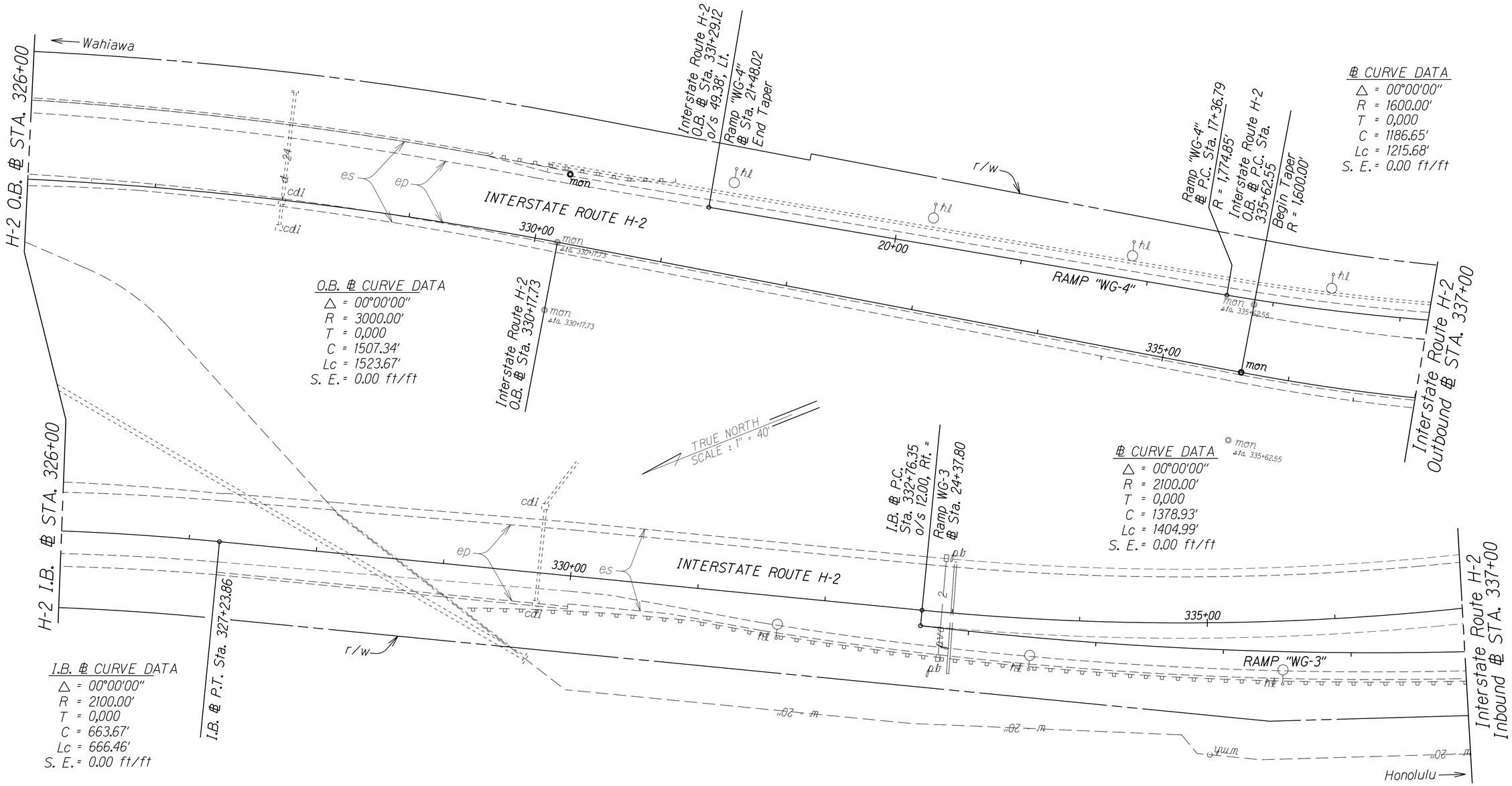
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 20 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	37	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No. XWS	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 21 OF 41 SHEETS

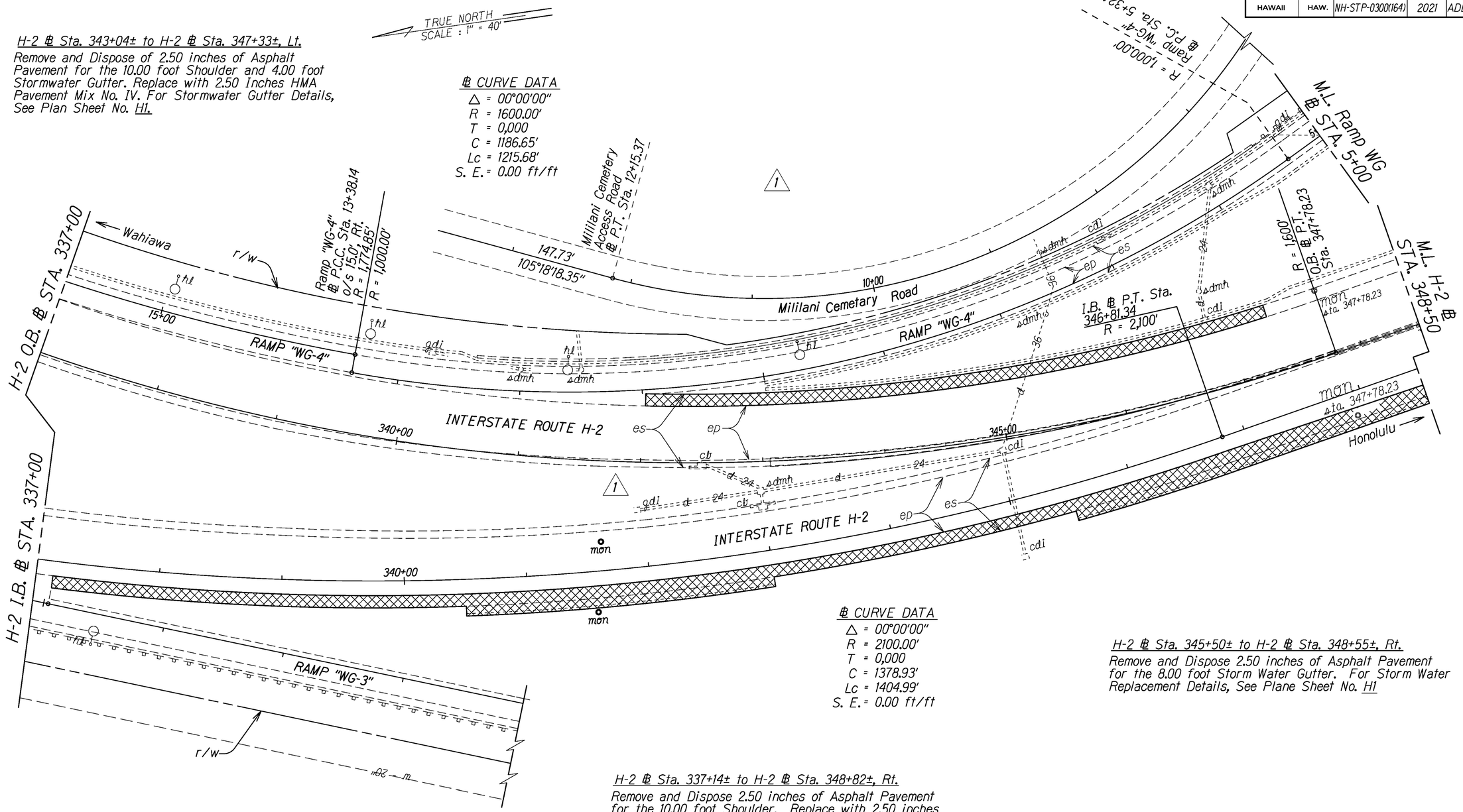
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.38	119

TRUE NORTH
SCALE : 1" = 40'

H-2 ℄ Sta. 343+04± to H-2 ℄ Sta. 347+33±, Lt.

Remove and Dispose of 2.50 inches of Asphalt Pavement for the 10.00 foot Shoulder and 4.00 foot Stormwater Gutter. Replace with 2.50 Inches HMA Pavement Mix No. IV. For Stormwater Gutter Details, See Plan Sheet No. H1.

℄ CURVE DATA
△ = 00°00'00"
R = 1600.00'
T = 0,000
C = 1186.65'
Lc = 1215.68'
S. E. = 0.00 ft/ft



℄ CURVE DATA
△ = 00°00'00"
R = 2100.00'
T = 0,000
C = 1378.93'
Lc = 1404.99'
S. E. = 0.00 ft/ft

H-2 ℄ Sta. 345+50± to H-2 ℄ Sta. 348+55±, Rt.

Remove and Dispose 2.50 inches of Asphalt Pavement for the 8.00 foot Storm Water Gutter. For Storm Water Replacement Details, See Plane Sheet No. H1

H-2 ℄ Sta. 337+14± to H-2 ℄ Sta. 348+82±, Rt.

Remove and Dispose 2.50 inches of Asphalt Pavement for the 10.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
N. XMIS	QUANTITIES BY	
	CHECKED BY	

	DATE	REVISION
1	4/16/21	Removed new double sided guardrail note H-2 ℄ Sta. 341+93 to 343+18 outbound Removed new double sided guardrail H-2 ℄ Sta. 341+93 to 343+18 outbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and MOANALUA FREEWAY, PHASE 2

Guardrail and Shoulder Improvements

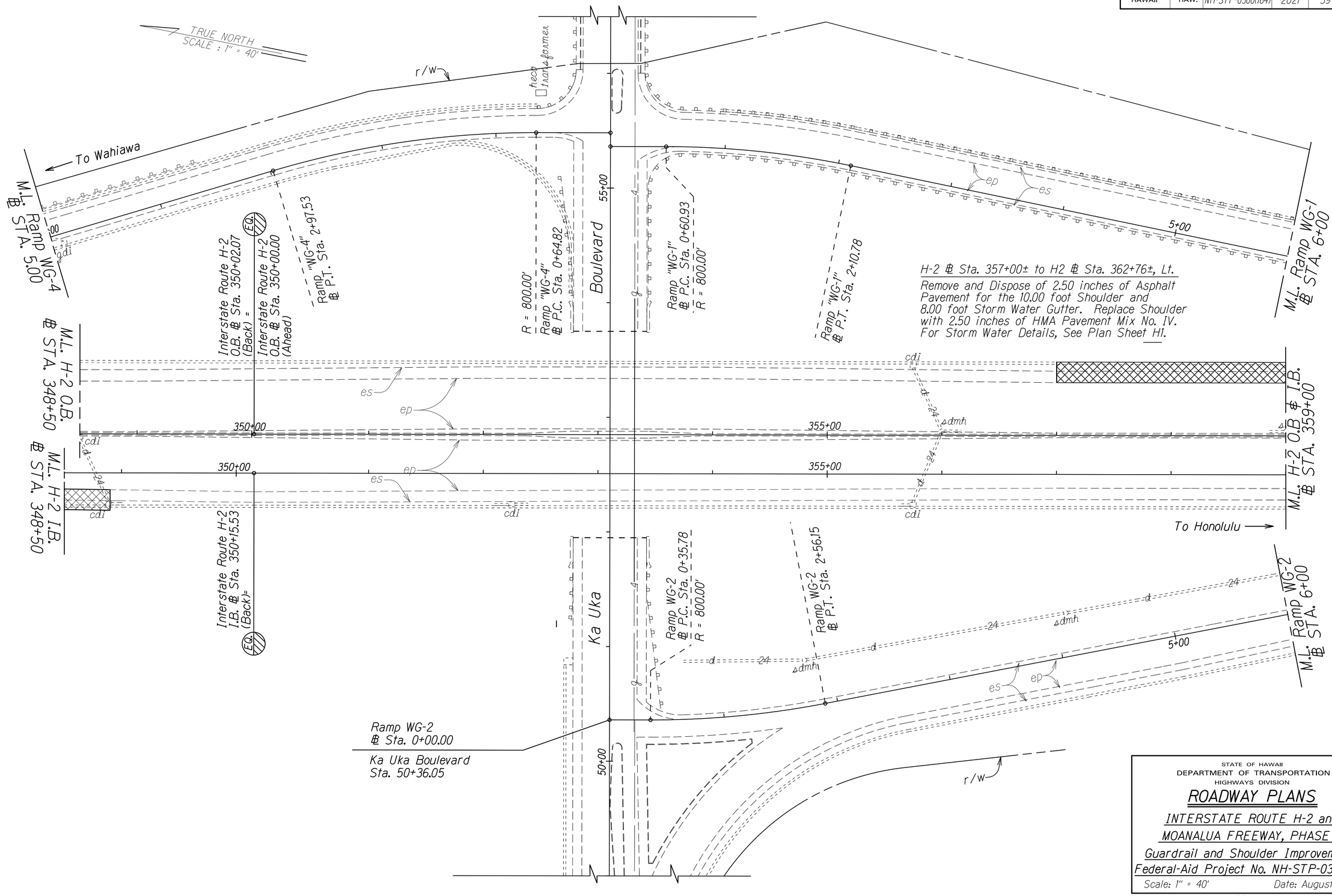
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 22 OF 41 SHEETS

ADD. 38

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	39	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No. XMIS	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

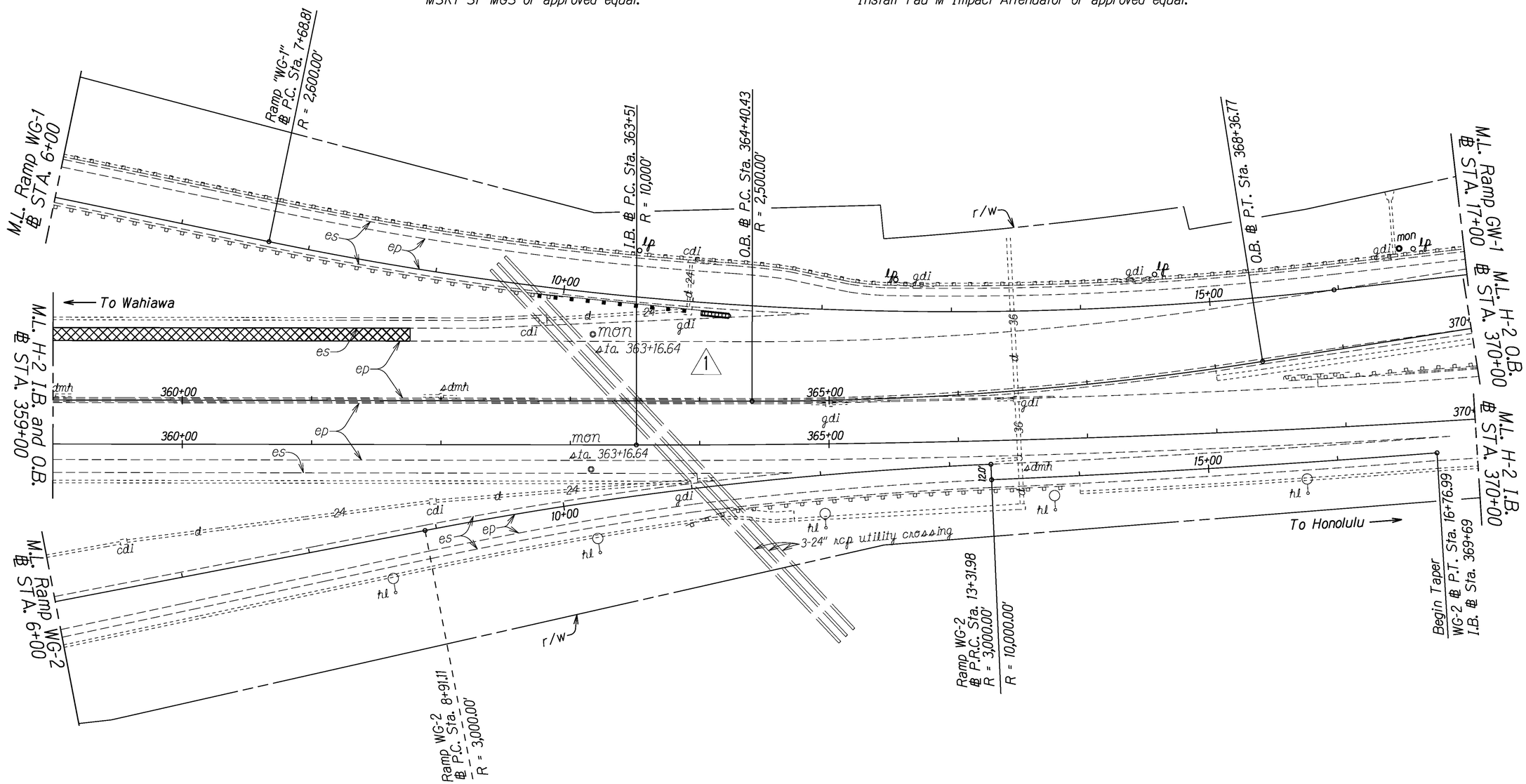
SHEET No. 23 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.40	119

TRUE NORTH
SCALE : 1" = 40'

1 H-2 ℄ Sta. 363+50± to ℄ Sta. 364+00±, Lt.
Install 25 LF of 31-inch W-Beam Guardrail and Strong Post with Standard Post with Standard 8-inch offset block with a MSKT-SP-MGS or approved equal.

1 Ramp WG-1 ℄ Sta. 10+00± to 10+58.5±, Rt.
Remove SK1 and guardrail up to flare and install 50 LF of 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset block.
Install Tau M Impact Attenuator or approved equal.



DATE	REVISION
4/16/21	Revised guardrail and impact attenuator note Ramp WG-1 ℄ Sta. 9+74 to 10+00 outbound Added guardrail note H-2 ℄ Sta. 363+50 to 364+00, LT Added guardrail note Ramp WG-1 ℄ Sta.. 10+00 to 10+58 outbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

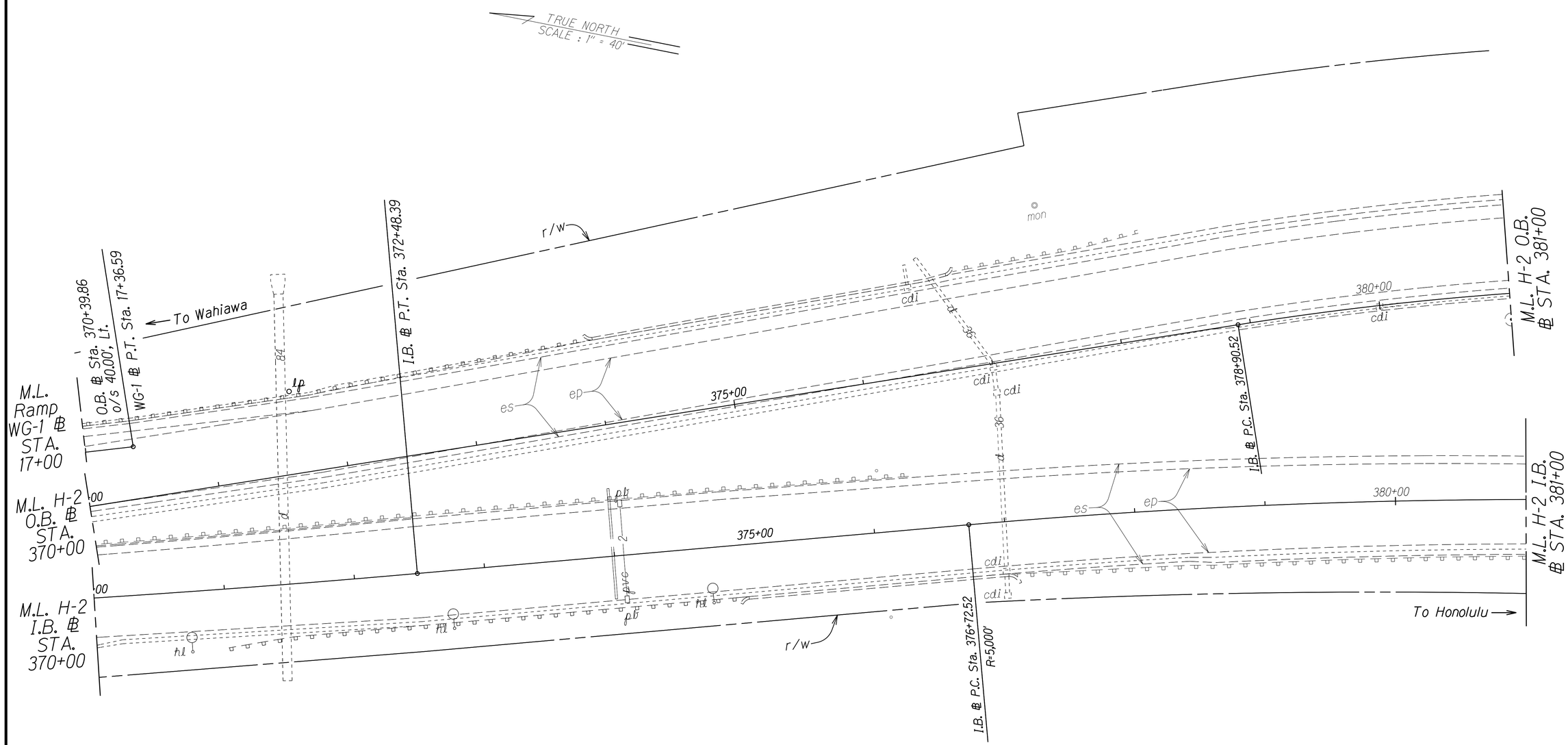
Scale: 1" = 40' Date: August, 2020

SHEET No. 24 OF 41 SHEETS

ADD. 40

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK
No. XMIS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	41	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No. XMIS	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

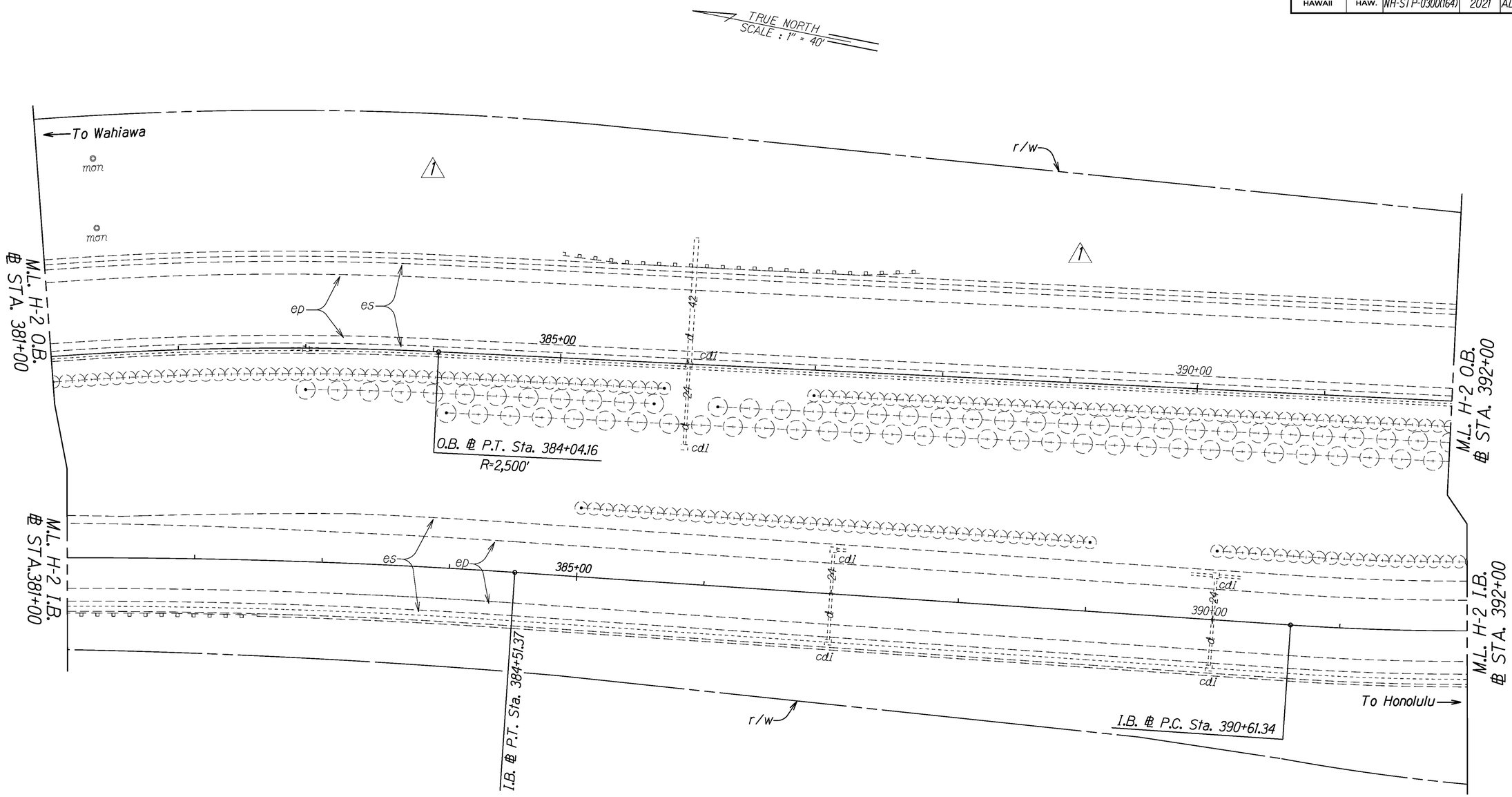
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 25 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.42	119



DATE	REVISION
4/16/21	Removed guardrail note H-2 ℄ Sta. 384+00 to 388+80 outbound Removed guardrail ℄ Sta. 384+00 to 388+00 outbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

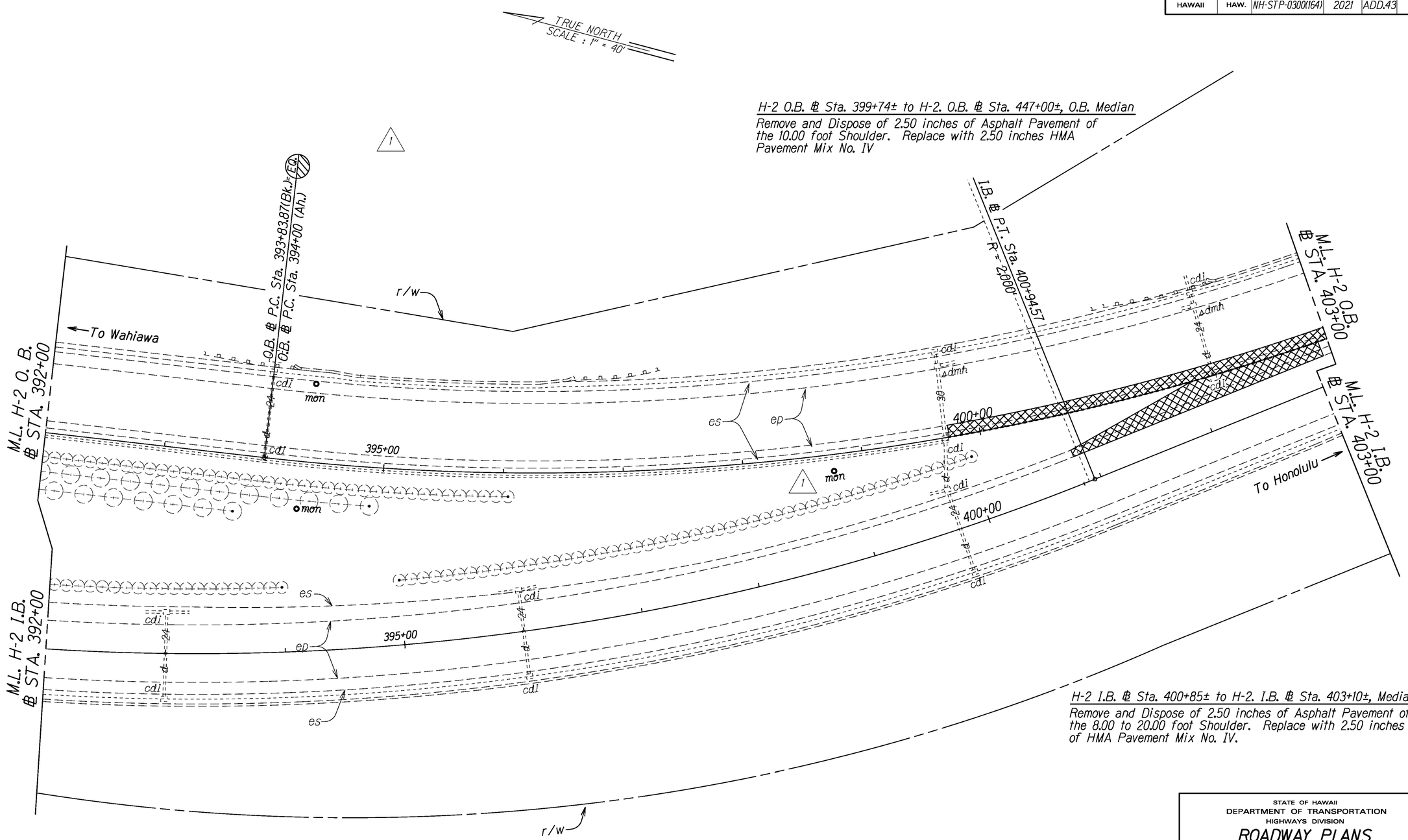
Scale: 1" = 40' Date: August, 2020

SHEET No. 26 OF 41 SHEETS

ADD. 42

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
N. XWIS	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.43	119



ORIGINAL PLAN	
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
N. XMIS	

DATE	REVISION
1 4/16/21	Removed new double sided guardrail note H-2 ℄ Sta. 398+52.5 to 400+40 outbound Removed new double sided guardail H-2 ℄ Sta. 398+52.5 to 400+40 outbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

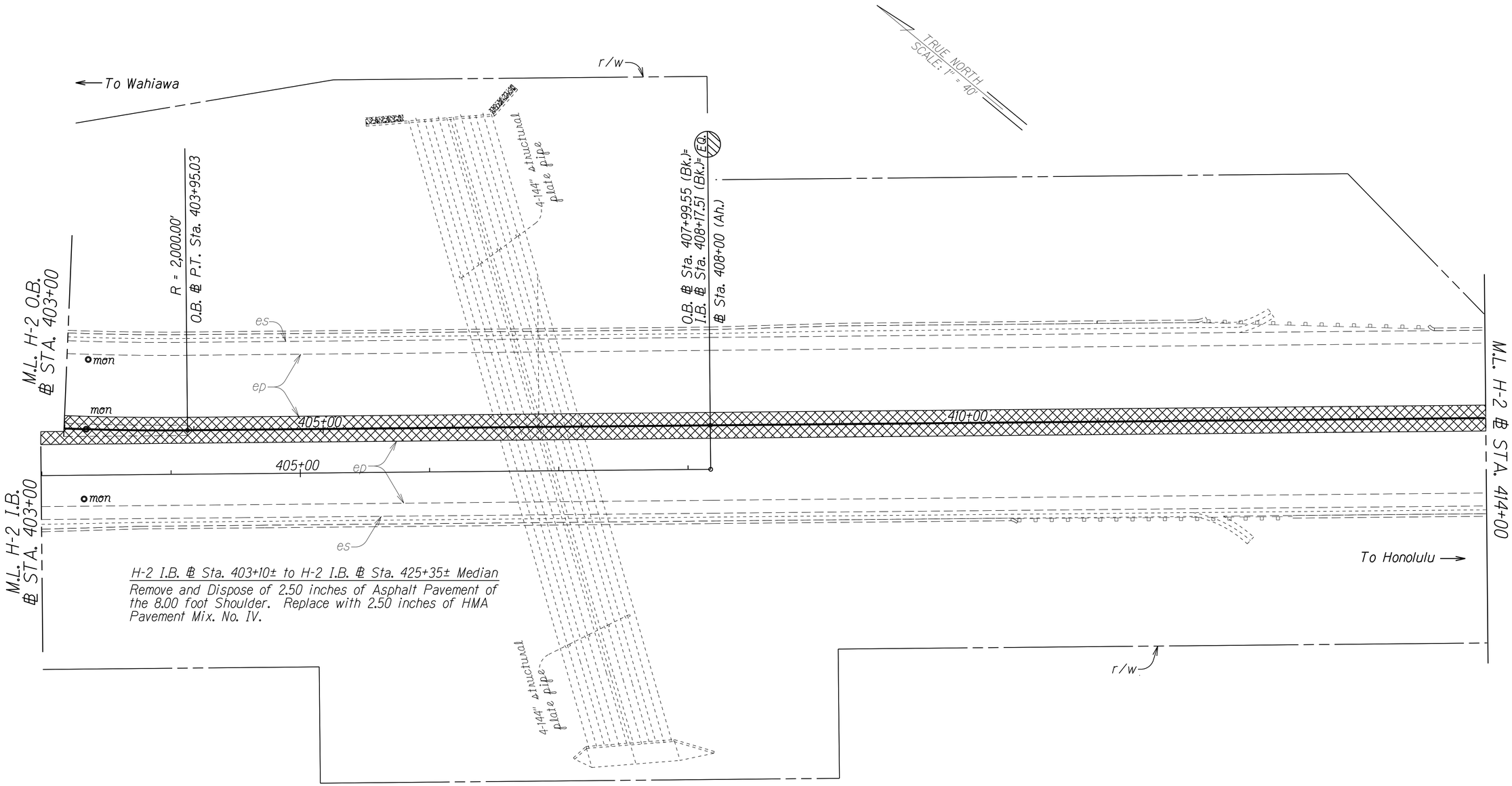
INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 27 OF 41 SHEETS

ADD. 43

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	44	119



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

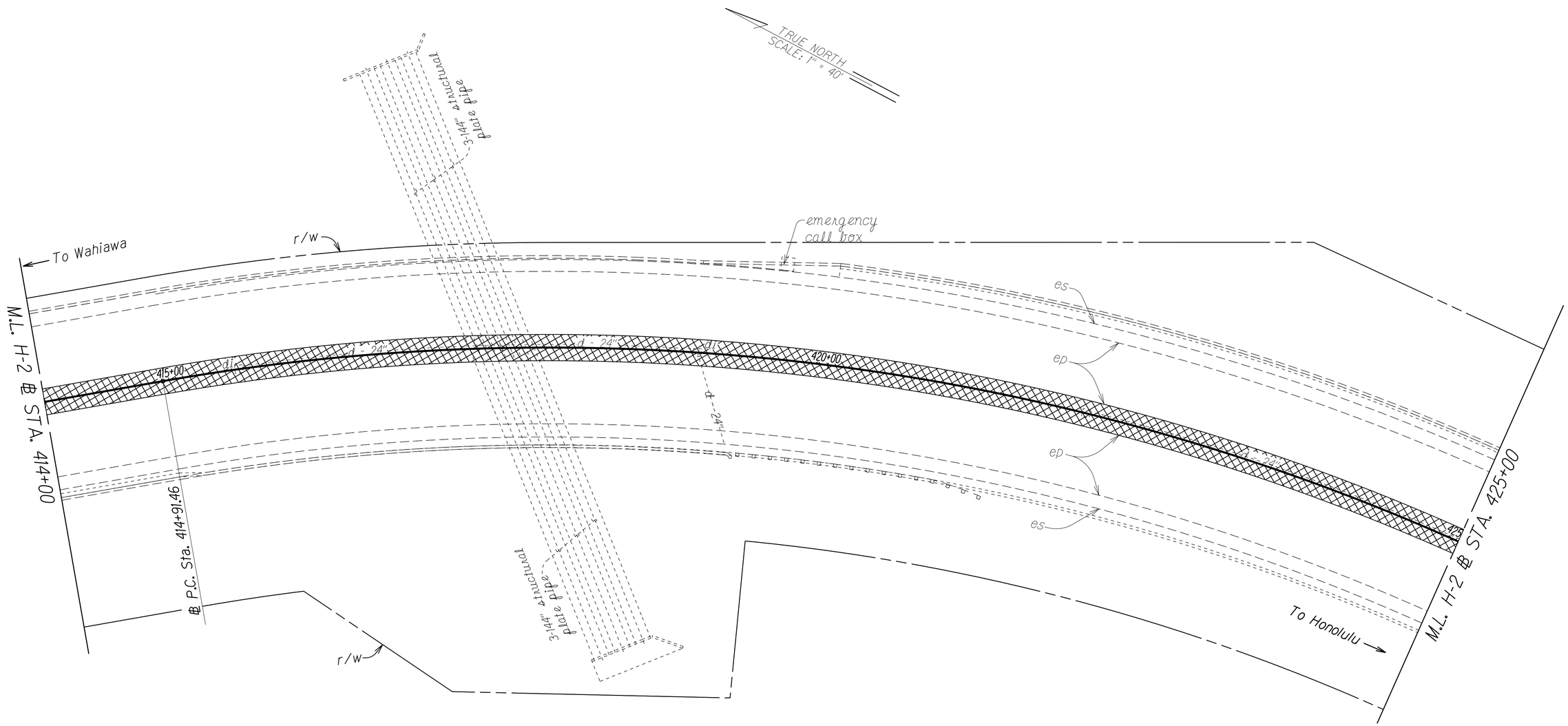
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 28 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	45	119



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STATE OF HAWAII
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HIGHWAYS DIVISION

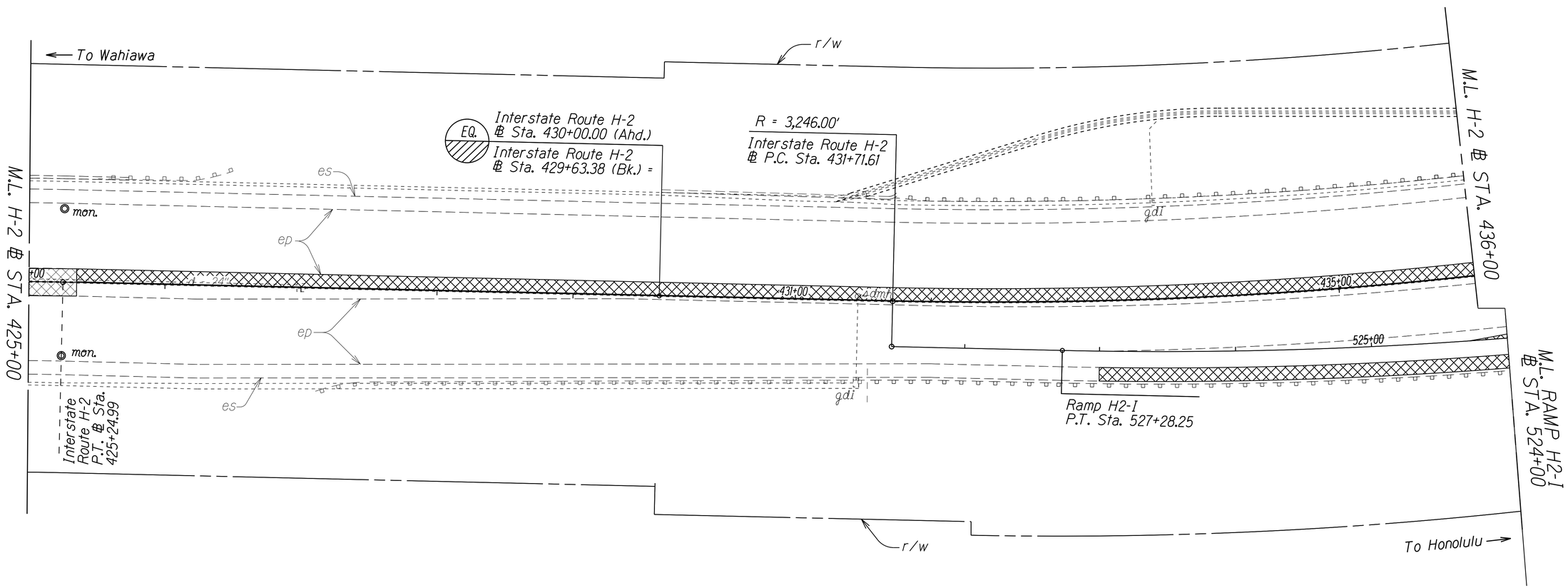
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 29 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	46	119



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STATE OF HAWAII
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HIGHWAYS DIVISION

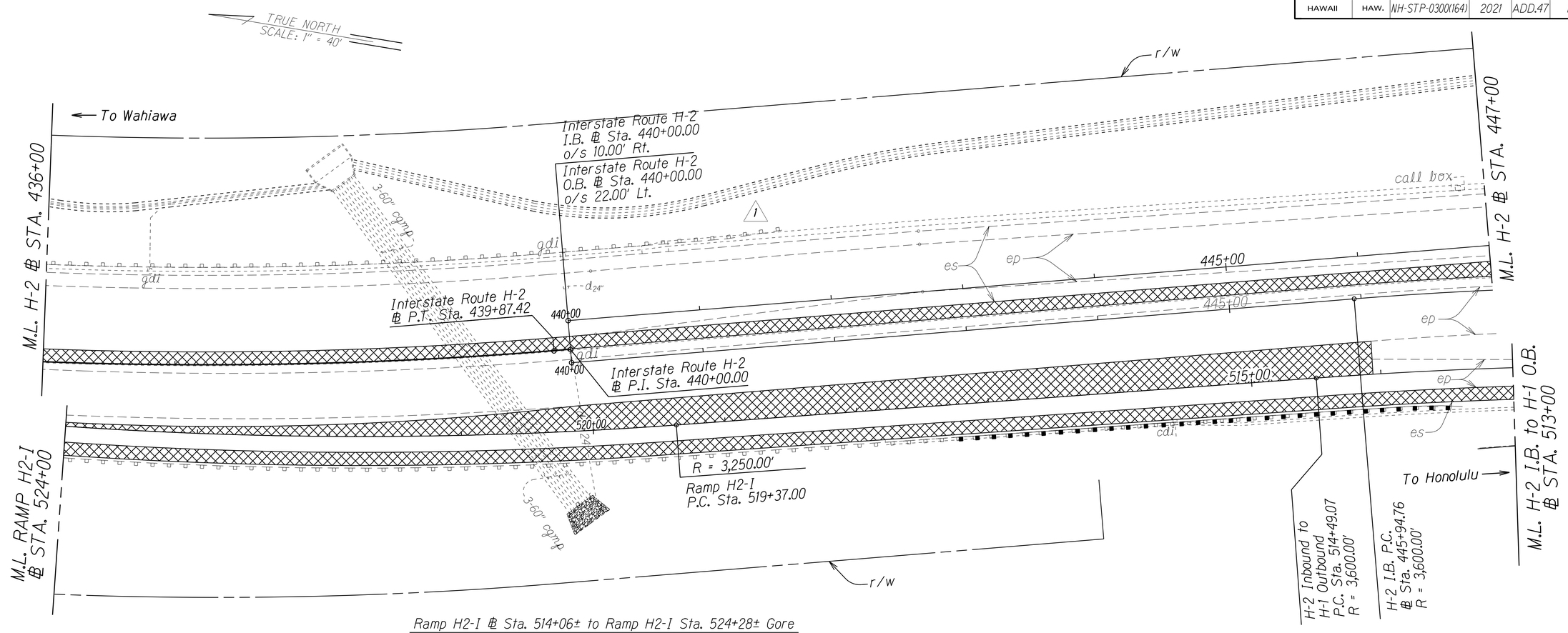
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 30 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.47	119



Ramp H2-I ℄ Sta. 514+06± to Ramp H2-I Sta. 524+28± Gore

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 0.00 to 29.00 foot Gore. Replace with 2.50 inches HMA Pavement Mix No. IV.
Note Sta. in Opposite Direction of H-2 Sta.

H2-I ℄ Sta. 513+38± to H2-I Sta. 517+25.50±, Lt.

Remove and Dispose of 200.00 L.F. of Guardrail and Post. Install 200.00 L.F. of New 31-inch W Beam Guardrail and Strong Post with Standard 8-inch Offset Blocks with MGS Transition to Existing Guardrail and Trailing-End Anchorage System. Note: Install New Guardrail Behind the Stormwater Gutter Starting at Ramp H2-I ℄ Sta. 517+20±.
Sta. is Reverse of H2.

Ramp H2-I ℄ Sta. 515+35± to Ramp H2-I Sta. 517+20±, Lt. 3

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4 foot Storm Water Gutter. See Plan Sheet No. H-1 for Storm Water Gutter Details. Note: Install New Guardrail Post Behind Storm Water Gutter. Stationing or Ramp H2-I is Reverse of H-2 Stationing.

	DATE	REVISION
3	4/26/21	Revised note Ramp H2-I ℄ Sta. 515+35 to 517+20 Left
1	4/16/21	Removed new guardrail H-2 ℄ Sta. 441+50 to 441+95 outbound

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 31 OF 41 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK No. XMIS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	48	119

TRUE NORTH
SCALE : 1" = 40'

H-2 O.B. ℄ Sta. 450+32± to H-2 ℄ Sta. 454+72±, Lt.

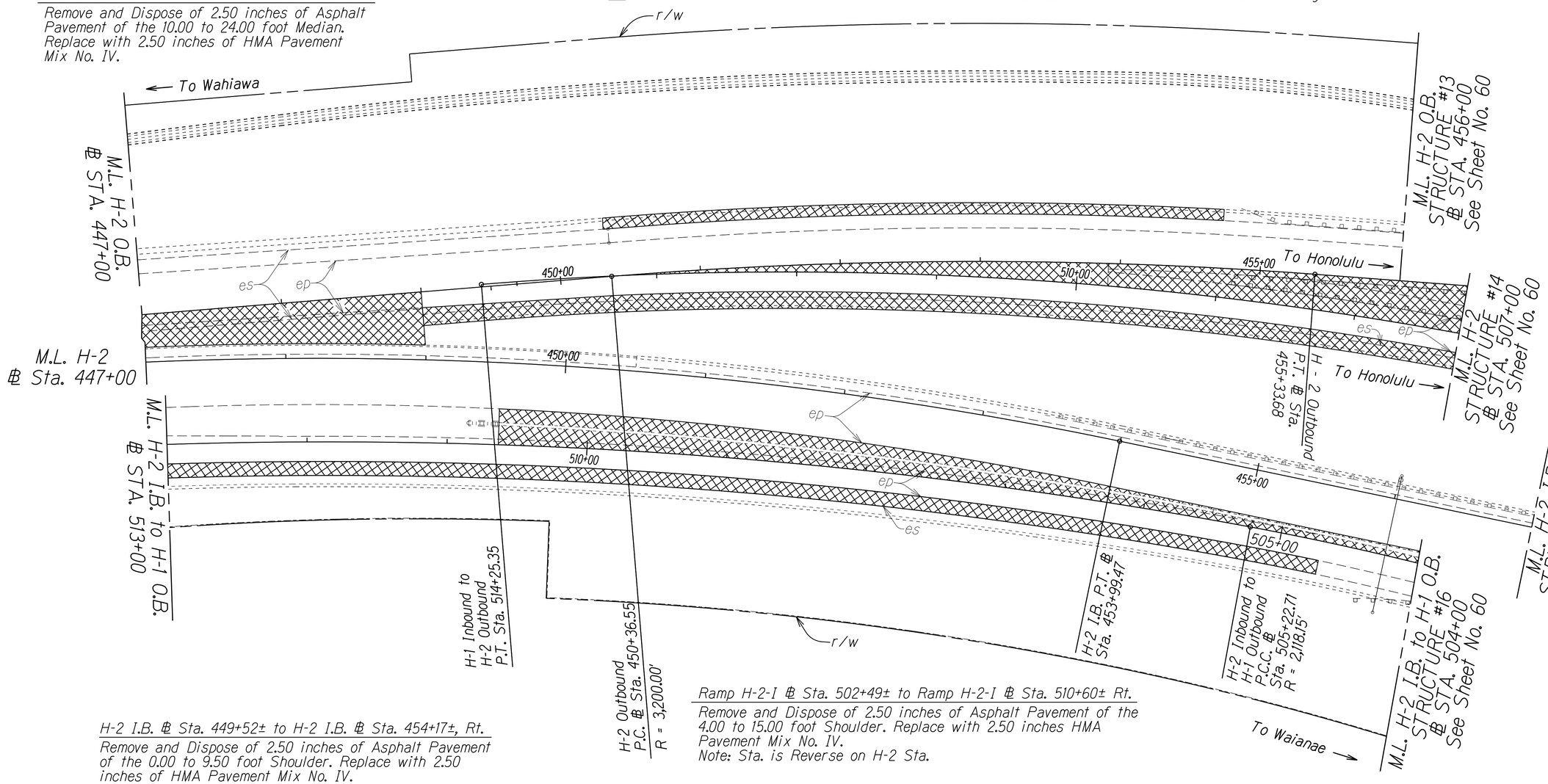
Remove and Dispose of 2.50 inches of Asphalt Pavement of the 10.00 foot Shoulder and 8.00 foot Gutter. Replace with 2.50 inches of HMA Pavement Mix No. IV. See Plan Sheet No. H1 for Storm Water Gutter Details

Structure #14 O.B. ℄ Sta. 505+80± to Structure #14 O.B. ℄ Sta. 512+60±, Gore

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 0.00 to 45.00 foot Shoulder and Gore. Replace with 2.50 inches of HMA Pavement Mix No. IV. Structure #14 is Reverse of H-2 Stationing.

H-2 ℄ Sta. 447+00± to H-2 ℄ Sta. 449+00± Rt.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 10.00 to 24.00 foot Median. Replace with 2.50 inches of HMA Pavement Mix No. IV.



H-2 I.B. ℄ Sta. 449+52± to H-2 I.B. ℄ Sta. 454+17±, Rt.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 0.00 to 9.50 foot Shoulder. Replace with 2.50 inches of HMA Pavement Mix No. IV.

Ramp H-2-I ℄ Sta. 502+49± to Ramp H-2-I ℄ Sta. 510+60± Rt.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 4.00 to 15.00 foot Shoulder. Replace with 2.50 inches HMA Pavement Mix No. IV.
Note: Sta. is Reverse on H-2 Sta.

Ramp H-2-I ℄ Sta. 504+70± to Ramp H-2-I ℄ Sta. 515+35±, Lt.

Remove and Dispose of 2.50 inches of Asphalt Pavement of the 8.00 Foot Storm Water Gutter. SeePlan Sheet No. Hxx for Storm Water Gutter Details. Note: Install New Guardrail Post Behind Storm Water Gutter. Stationing for Ramp H2-I is Reverse of H-2 Stationing.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

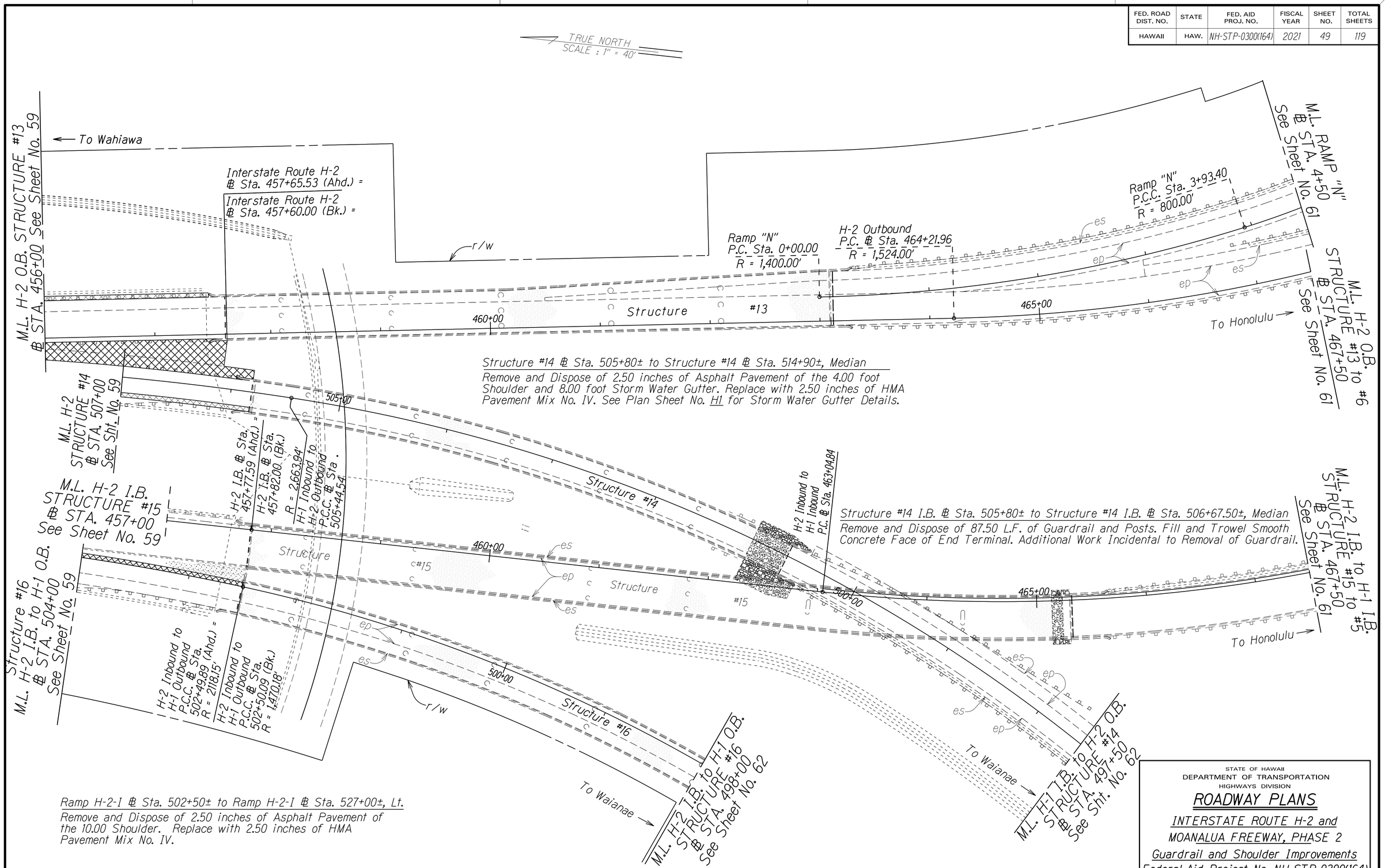
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 32 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	49	119



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

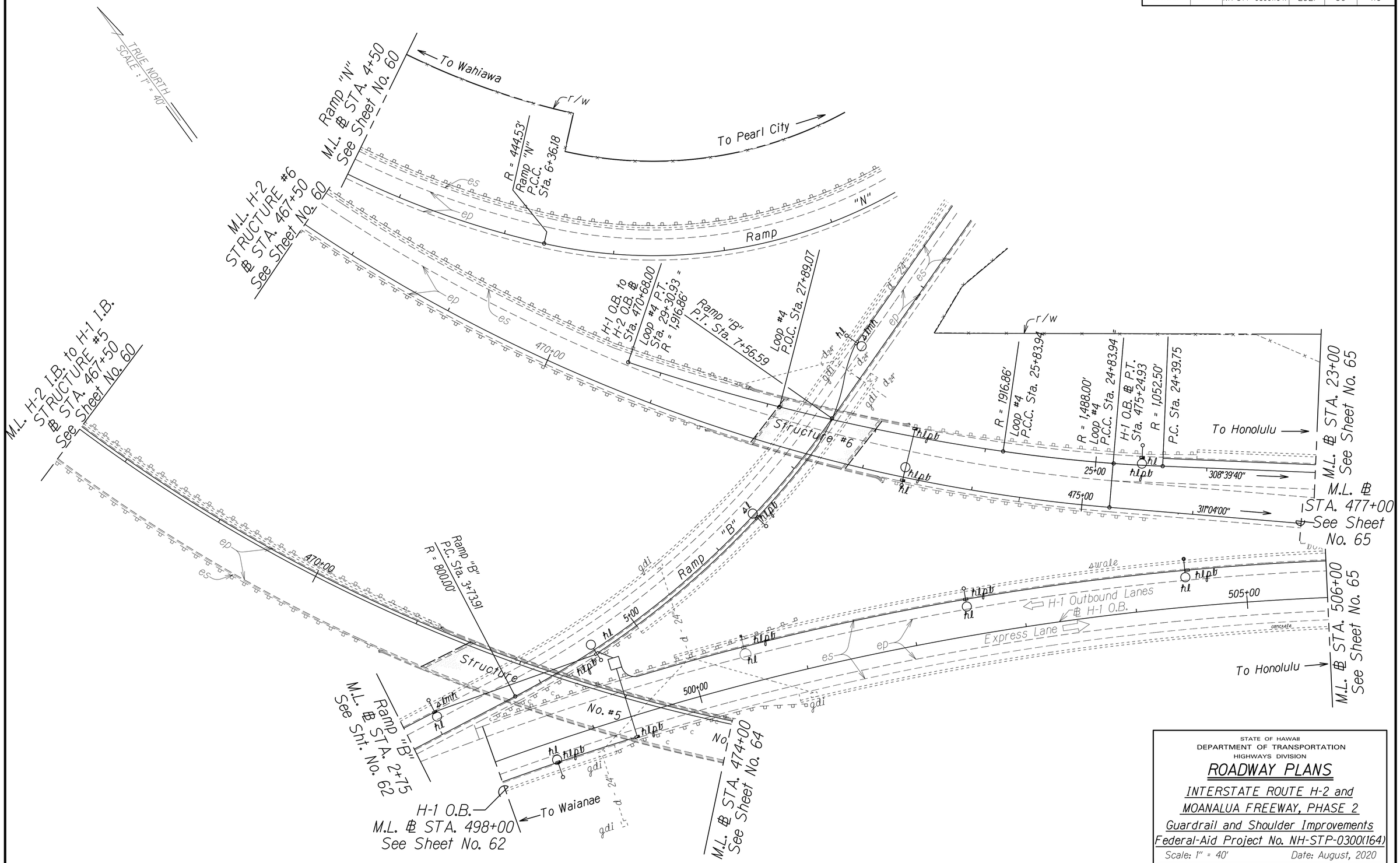
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 33 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	50	119



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STATE OF HAWAII
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HIGHWAYS DIVISION

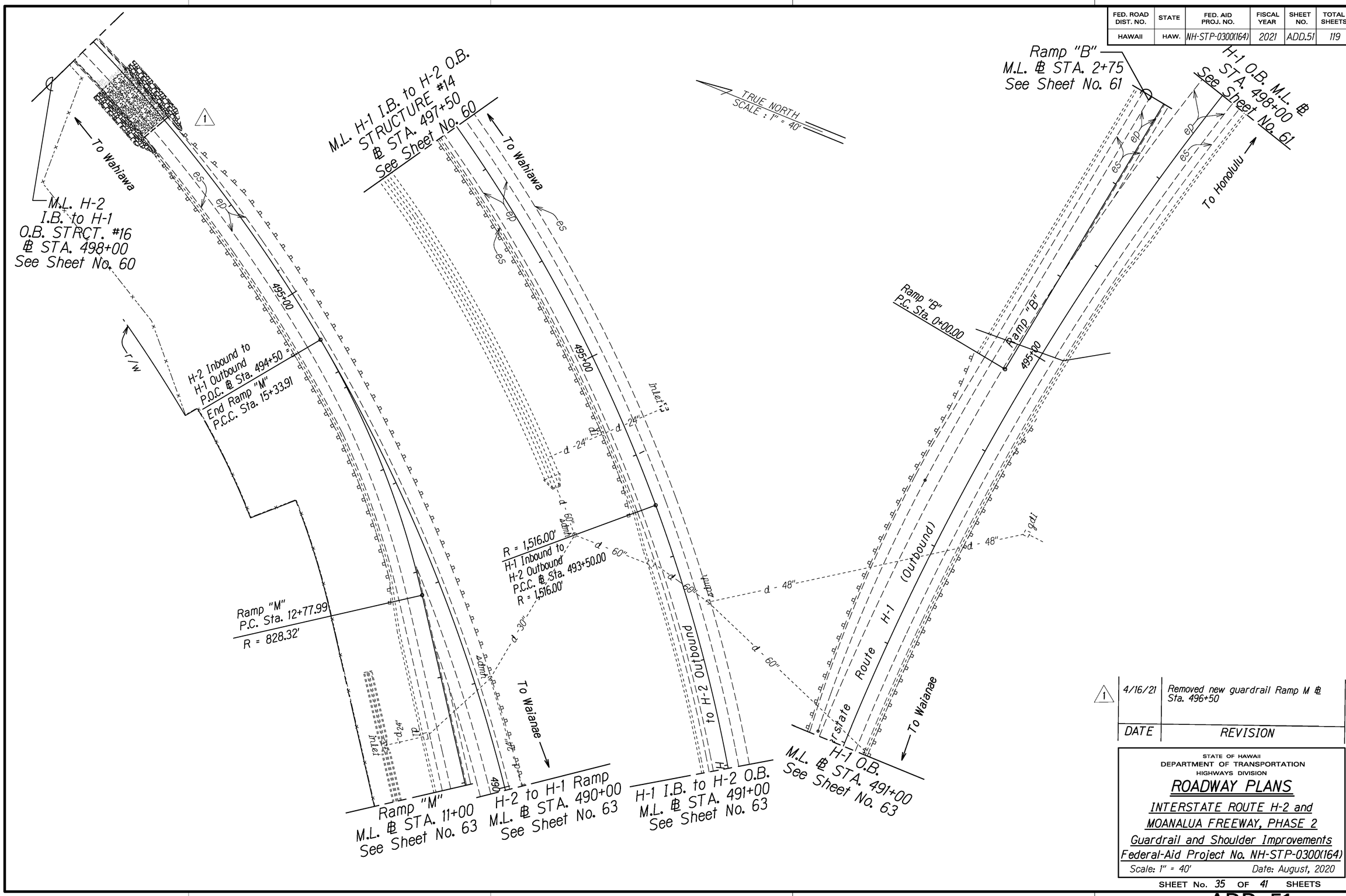
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 34 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.51	119



1	4/16/21	Removed new guardrail Ramp M ℄ Sta. 496+50
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and MOANALUA FREEWAY, PHASE 2

Guardrail and Shoulder Improvements

Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 35 OF 41 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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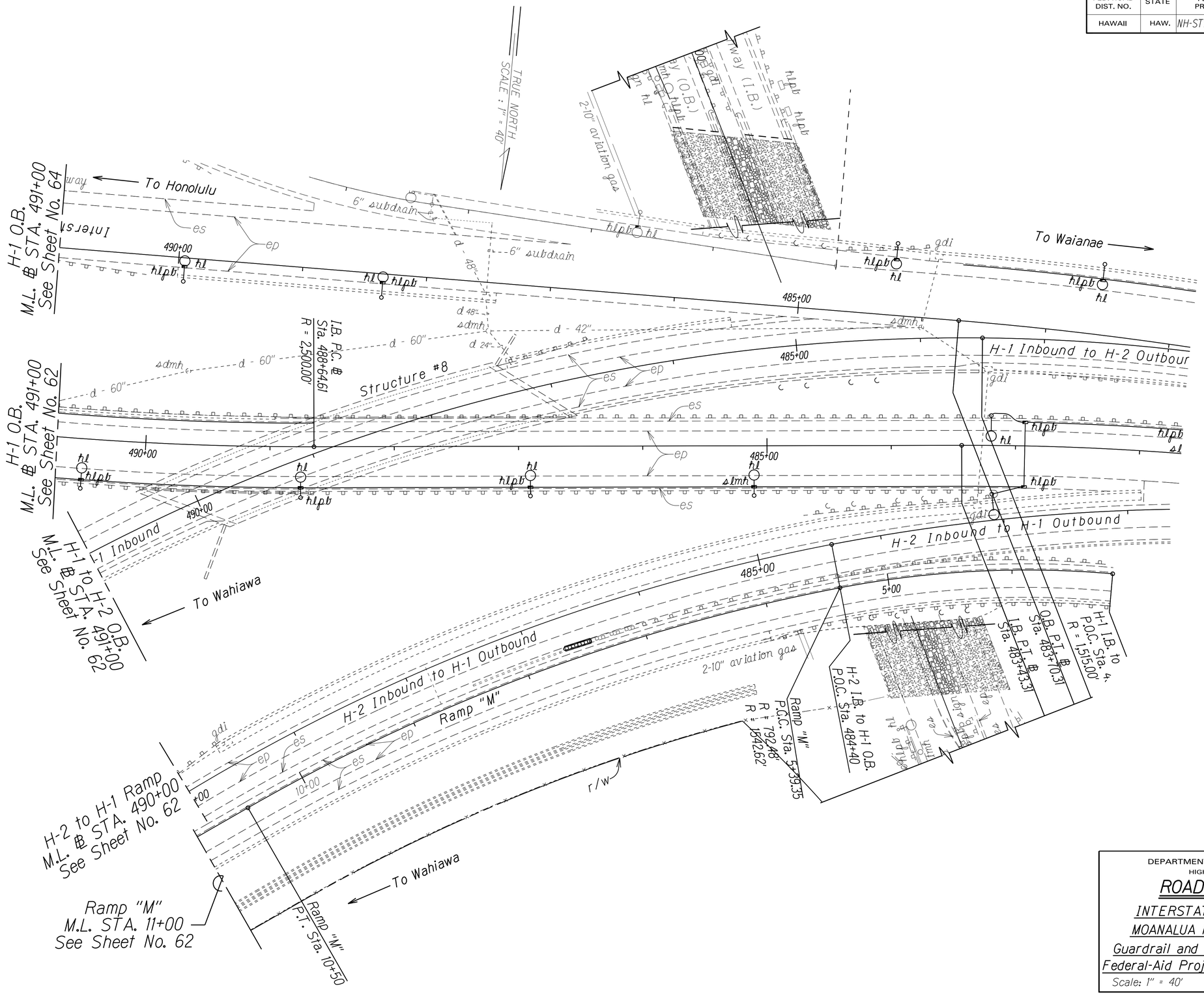
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	52	119



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

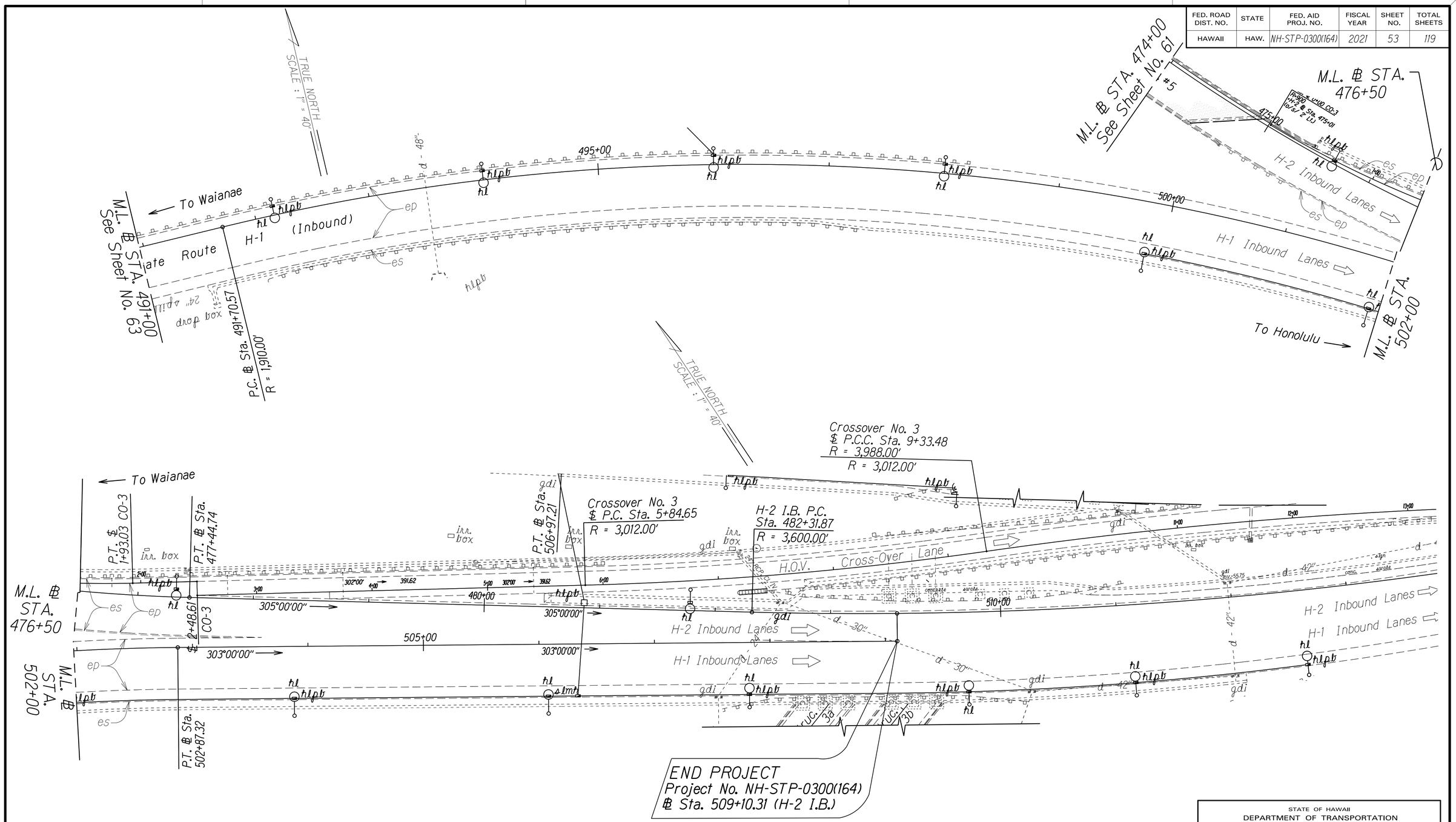
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 36 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	53	119



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STATE OF HAWAII
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HIGHWAYS DIVISION

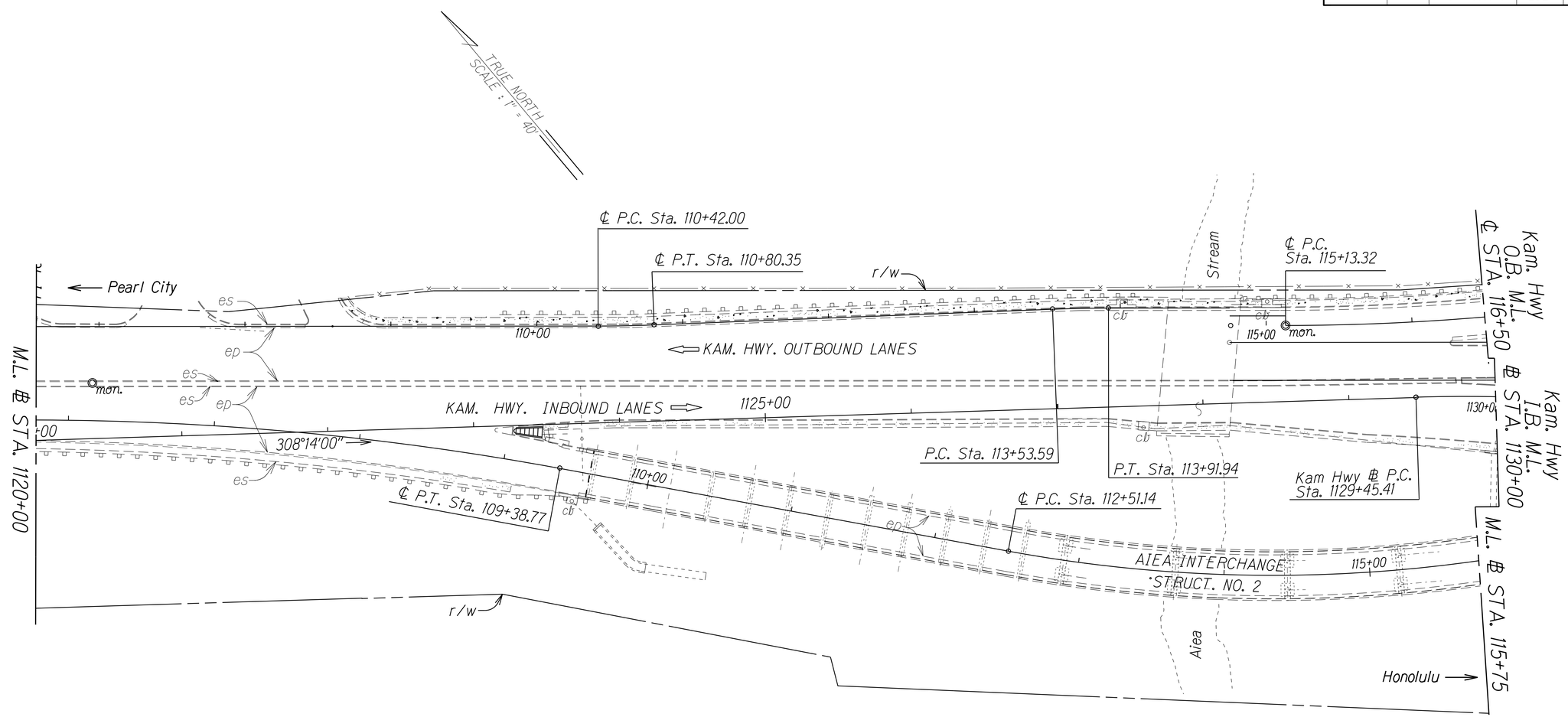
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 37 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	54	119



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STATE OF HAWAII
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HIGHWAYS DIVISION

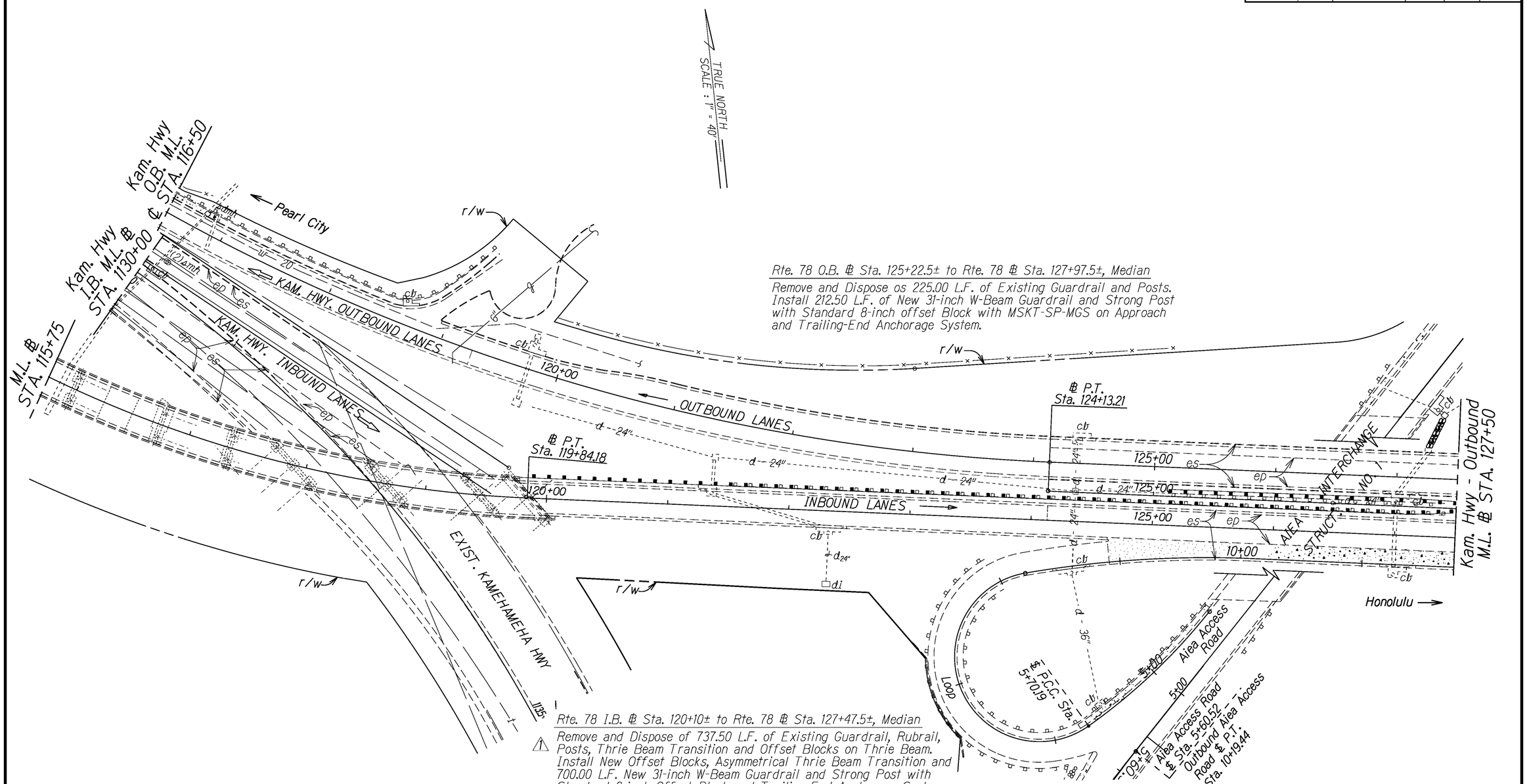
ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 38 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.55	119



Rte. 78 O.B. ℄ Sta. 125+22.5± to Rte. 78 ℄ Sta. 127+97.5±, Median

Remove and Dispose os 225.00 L.F. of Existing Guardrail and Posts. Install 212.50 L.F. of New 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch offset Block with MSKT-SP-MGS on Approach and Trailing-End Anchorage System.

Rte. 78 I.B. ℄ Sta. 120+10± to Rte. 78 ℄ Sta. 127+47.5±, Median

Remove and Dispose of 737.50 L.F. of Existing Guardrail, Rubrail, Posts, Thrie Beam Transition and Offset Blocks on Thrie Beam. Install New Offset Blocks, Asymmetrical Thrie Beam Transition and 700.00 L.F. New 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch Offset Block and Trailing-End Anchorage System. Offset blocks and Thrie Beam Transition is incidental to bid item 606.0100

DATE	REVISION
4/16/21	Revised guardrail note Rte 78 Sta. 120+10 to 127+47.5

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 39 OF 41 SHEETS

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NOTE BOOK
No. XMIS

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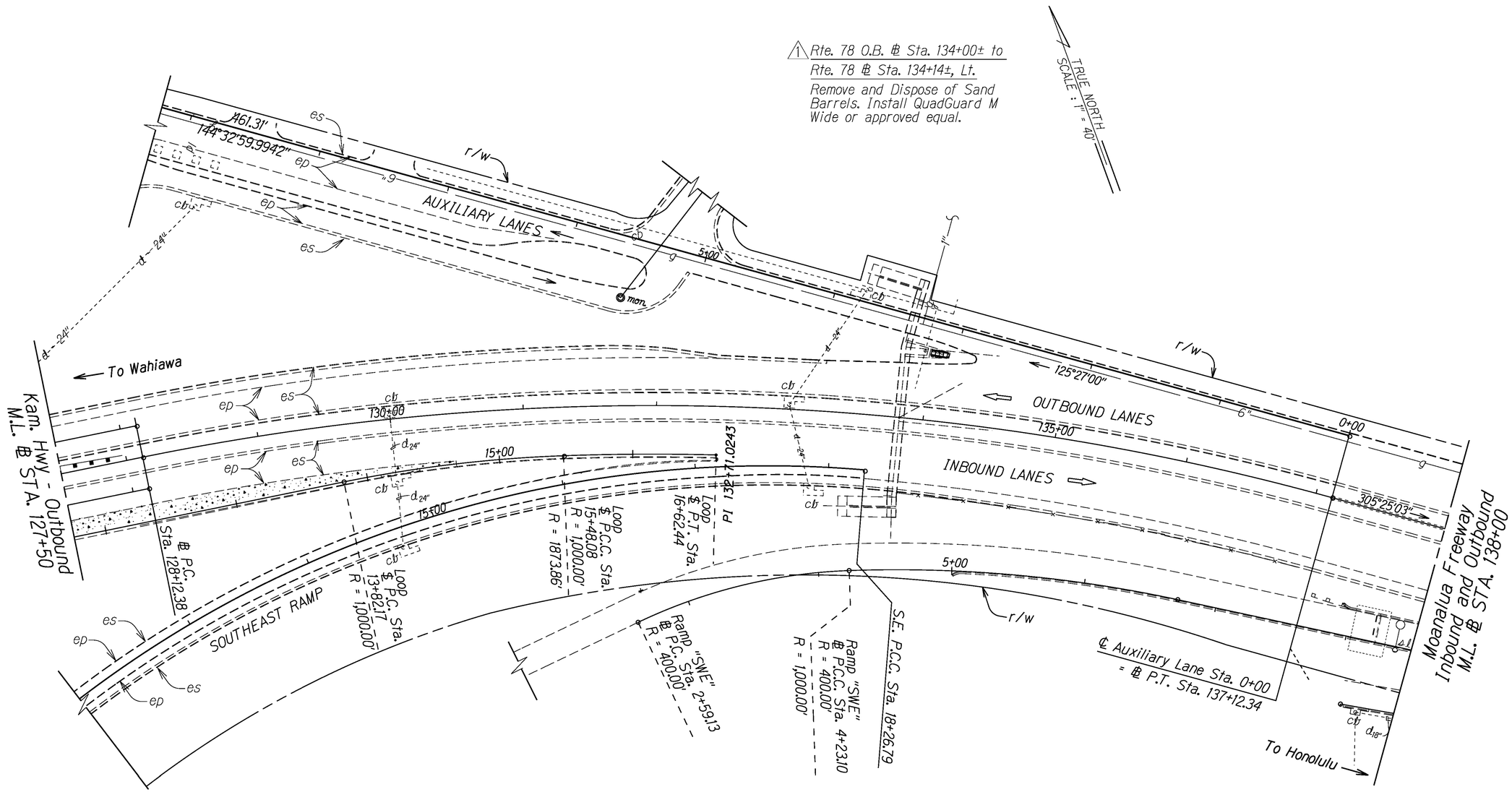
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.56	119



Rte. 78 ℄ Sta. 134+92± to Rte. 78 ℄ Sta. 137+77±, Rt.

Remove and Dispose of 302.00 L.F. of Top Bar from Existing Chain Link Fence. Install Wire per Standard Detail Plan Sheet No. D3.
Installation of wire is incidental to removal of top bar.

	DATE	REVISION
1	4/16/21	Revised impact attenuator note Rte 78 134+00 to 134+14

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 40 OF 41 SHEETS

ADD. 56

ORIGINAL PLAN
SURVEY PLOTTED BY ____ DATE
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DESIGNED BY
QUANTITIES BY
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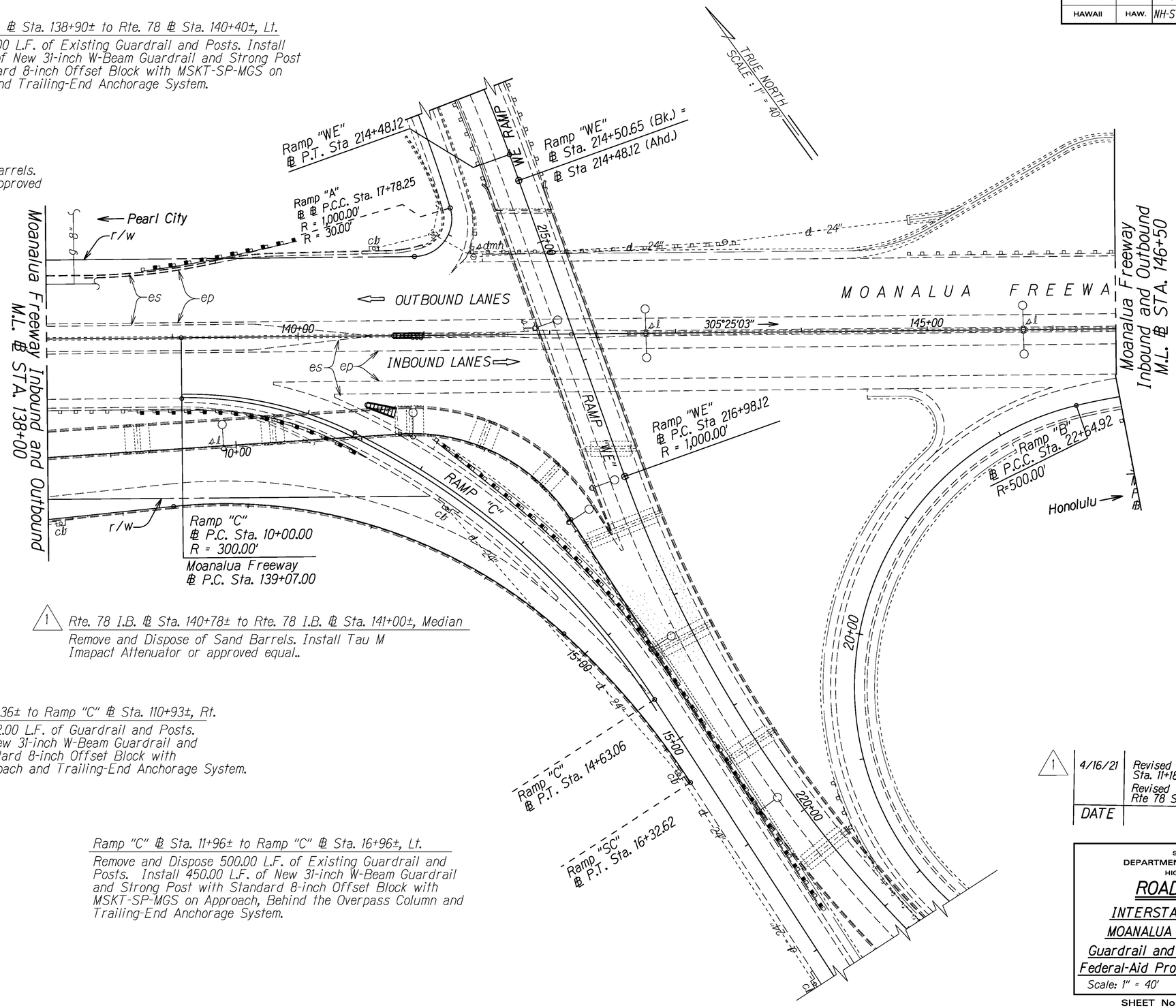
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-STP-0300(164)	2021	ADD.57	119

Rte. 78 O.B. ℄ Sta. 138+90± to Rte. 78 ℄ Sta. 140+40±, Lt.

Remove 90.00 L.F. of Existing Guardrail and Posts. Install 112.50 L.F. of New 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch Offset Block with MSKT-SP-MGS on Approach and Trailing-End Anchorage System.

1 Ramp "C" I.B. ℄ Sta. 11+18± to Ramp "C" ℄ Sta. 11+40±, Lt.

Remove and Dispose of Sand Barrels. Install QuadGuard M wide or approved equal..



1 Rte. 78 I.B. ℄ Sta. 140+78± to Rte. 78 I.B. ℄ Sta. 141+00±, Median

Remove and Dispose of Sand Barrels. Install Tau M Imapact Attenuator or approved equal..

Rte. 78 I.B. ℄ Sta. 138+36± to Ramp "C" ℄ Sta. 110+93±, Rt.

Remove and Dispose 212.00 L.F. of Guardrail and Posts. Install 212.50 L.F. of New 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch Offset Block with MSKT-SP-MGS on Approach and Trailing-End Anchorage System.

Ramp "C" ℄ Sta. 11+96± to Ramp "C" ℄ Sta. 16+96±, Lt.

Remove and Dispose 500.00 L.F. of Existing Guardrail and Posts. Install 450.00 L.F. of New 31-inch W-Beam Guardrail and Strong Post with Standard 8-inch Offset Block with MSKT-SP-MGS on Approach, Behind the Overpass Column and Trailing-End Anchorage System.

1	4/16/21	Revised Impact attenuator note Ramp C Sta. 11+18 to 11+40 inbound Revised Impact attenuator note Rte 78 Sta. 140+78 to 141+00
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

INTERSTATE ROUTE H-2 and
MOANALUA FREEWAY, PHASE 2
Guardrail and Shoulder Improvements
Federal-Aid Project No. NH-STP-0300(164)

Scale: 1" = 40' Date: August, 2020

SHEET No. 41 OF 41 SHEETS

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
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QUANTITIES BY
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No. XMIS