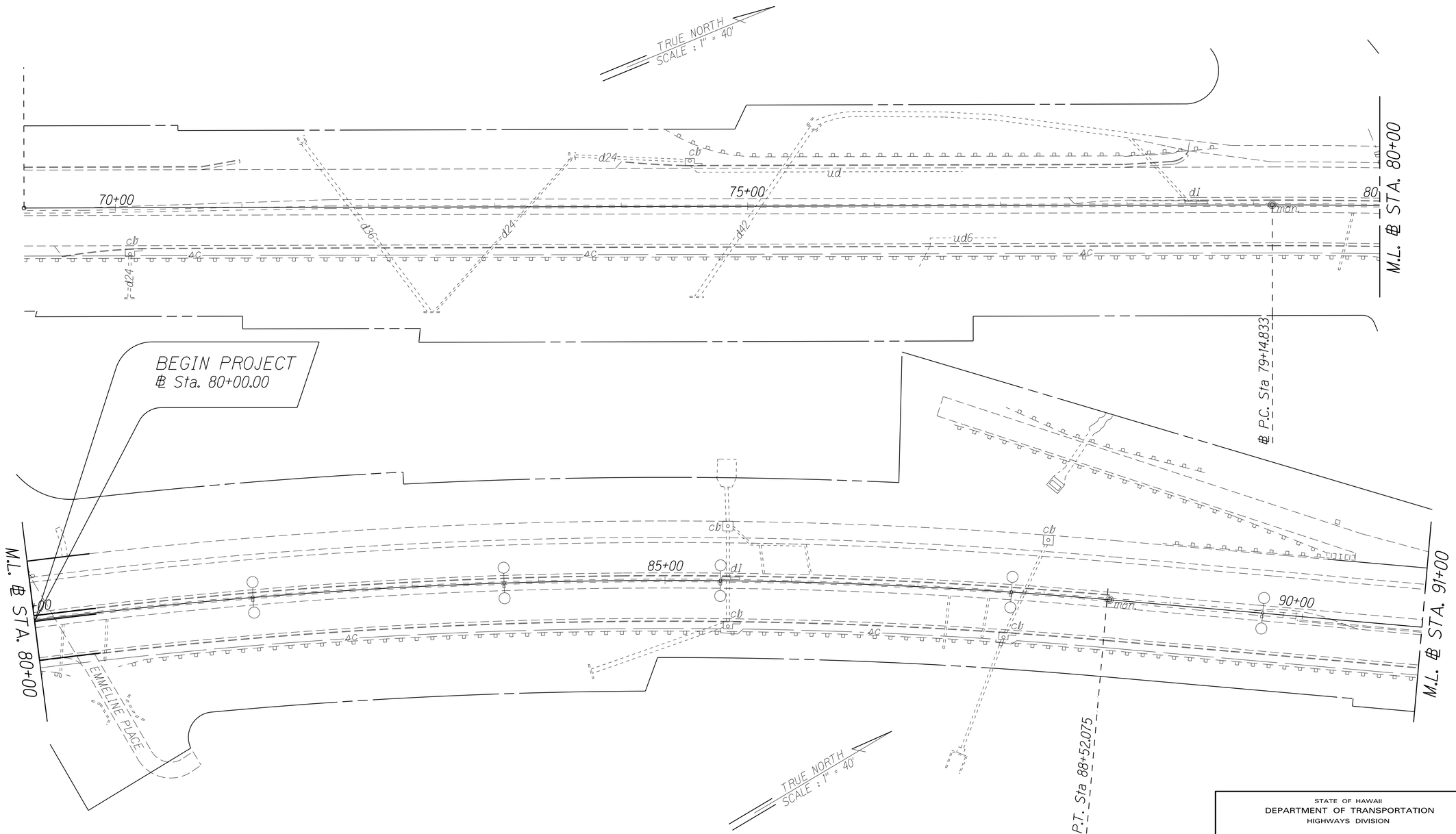
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	8	60



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NOTE BOOK	DESIGNED BY	:
	QUANTITIES BY	:
No.	CHECKED BY	:

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

LIKELIKE HIGHWAY SAFETY IMPROVEMENTS

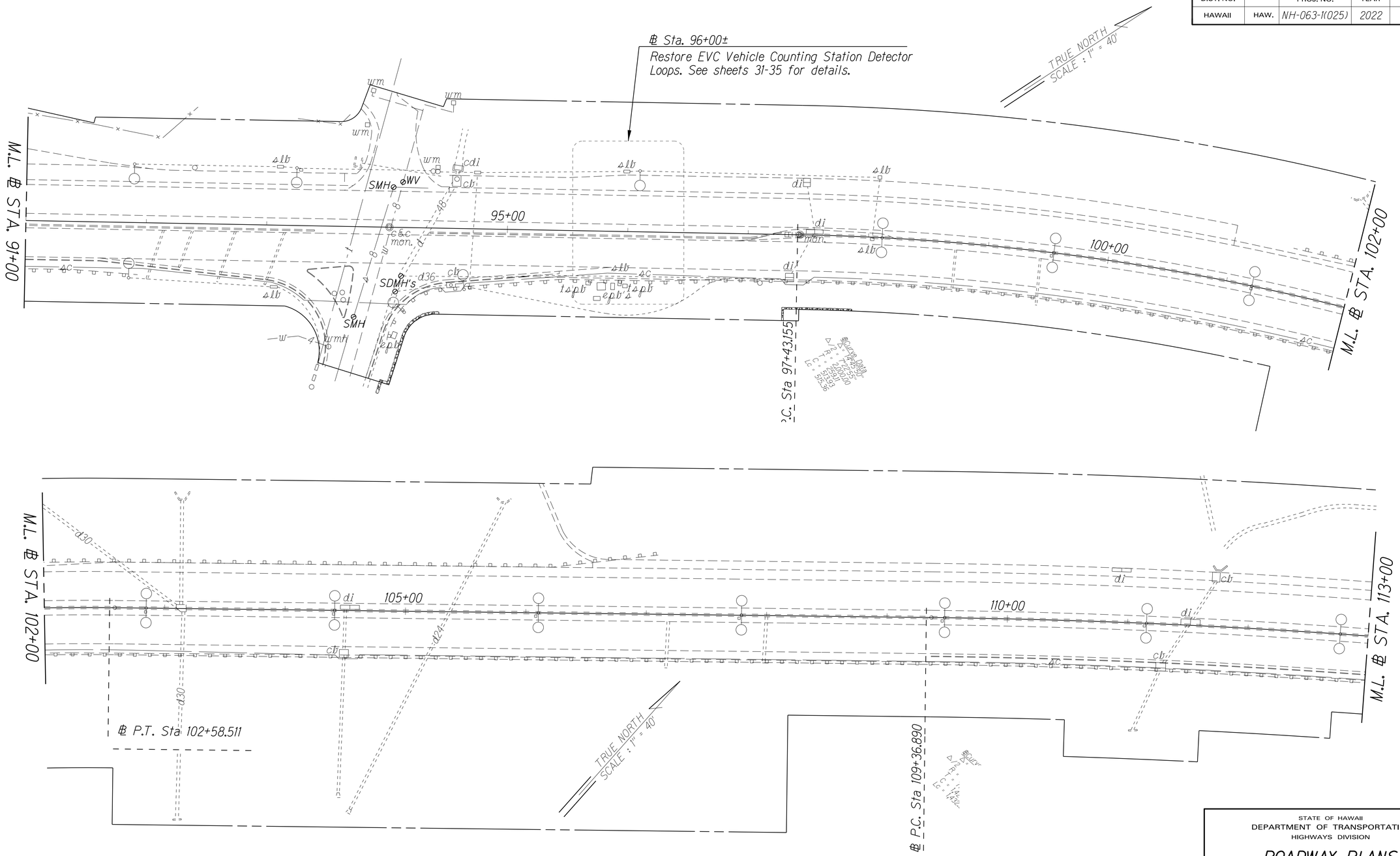
Emmeline Place to Kahekili Highway

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 1 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	9	60



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

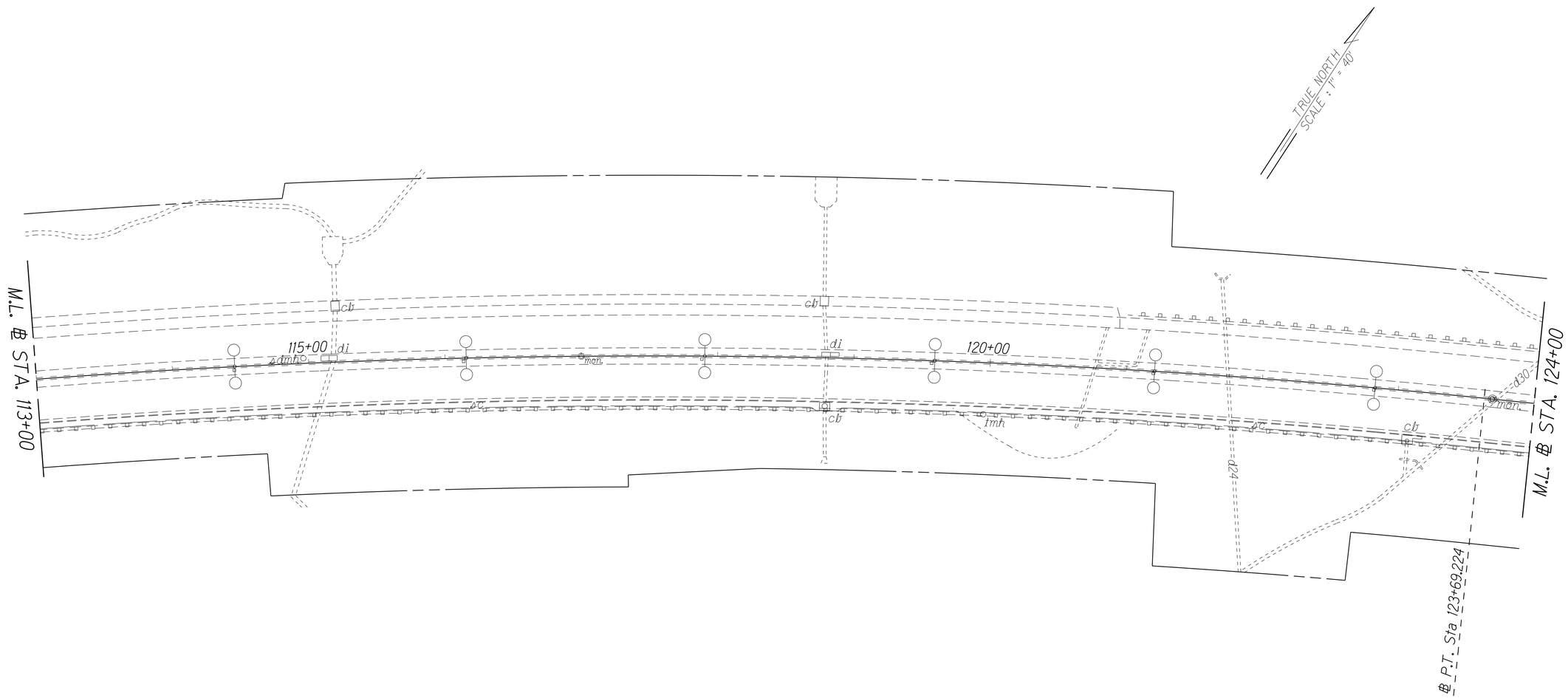
ROADWAY PLANS

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 2 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	10	60



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

LIKELIKE HIGHWAY SAFETY IMPROVEMENTS

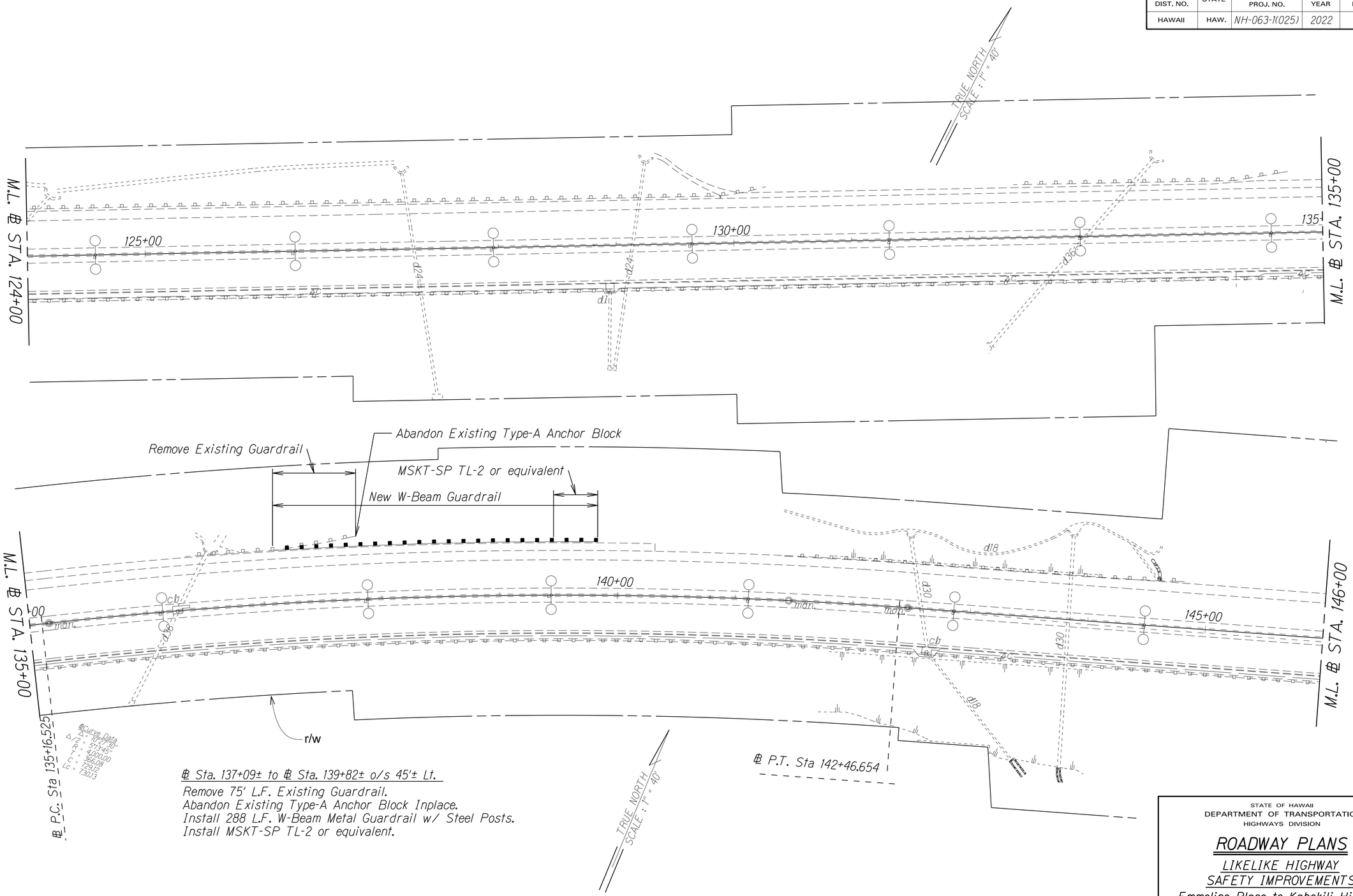
Emmeline Place to Kahekili Highway

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 3 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	11	60



℄ Sta. 137+09± to ℄ Sta. 139+82± o/s 45'± Lt.

Remove 75' L.F. Existing Guardrail.
Abandon Existing Type-A Anchor Block Inplace.
Install 288 L.F. W-Beam Metal Guardrail w/ Steel Posts.
Install MSKT-SP TL-2 or equivalent.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

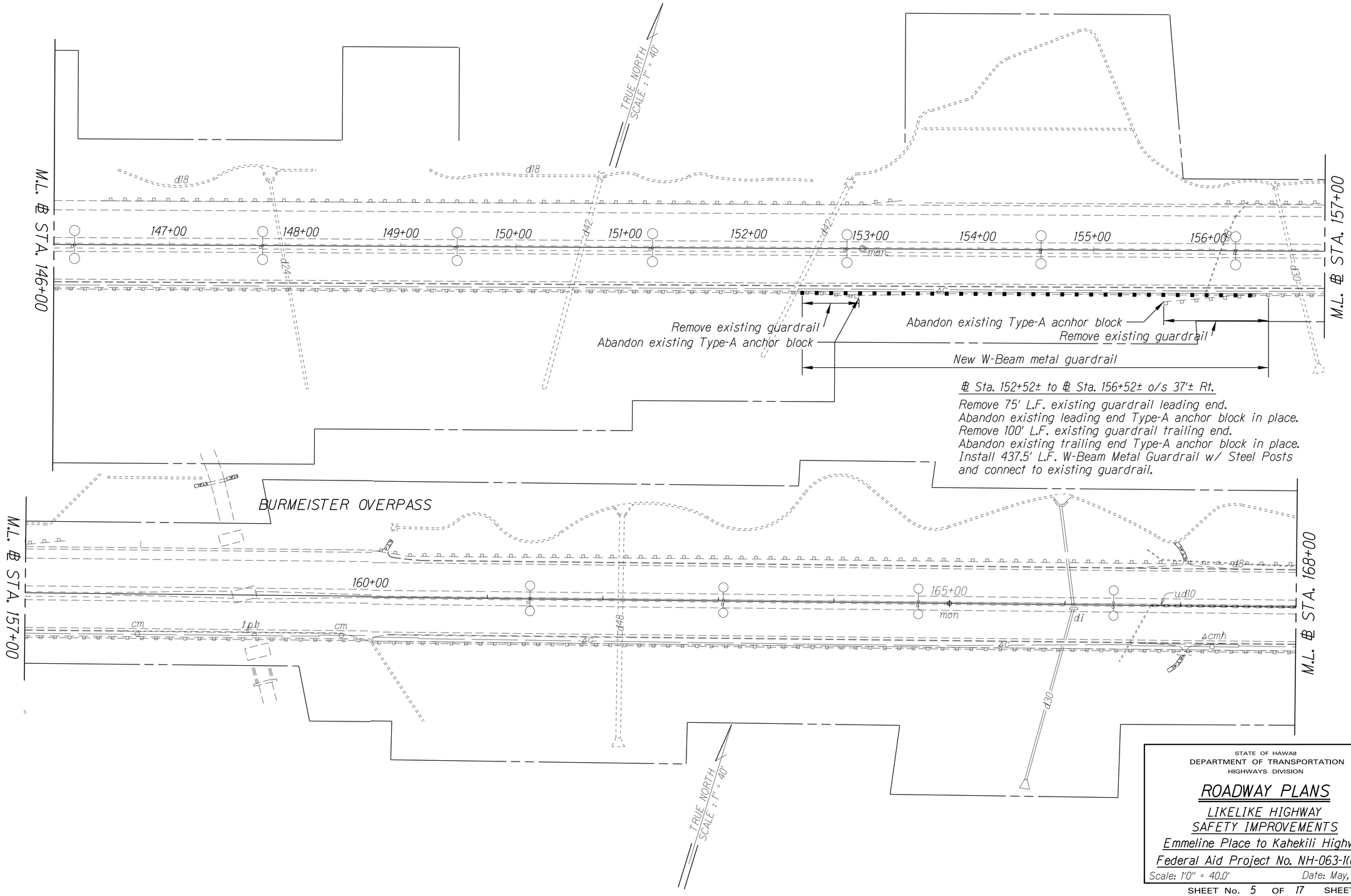
ROADWAY PLANS

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 4 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	12	60



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 5 OF 17 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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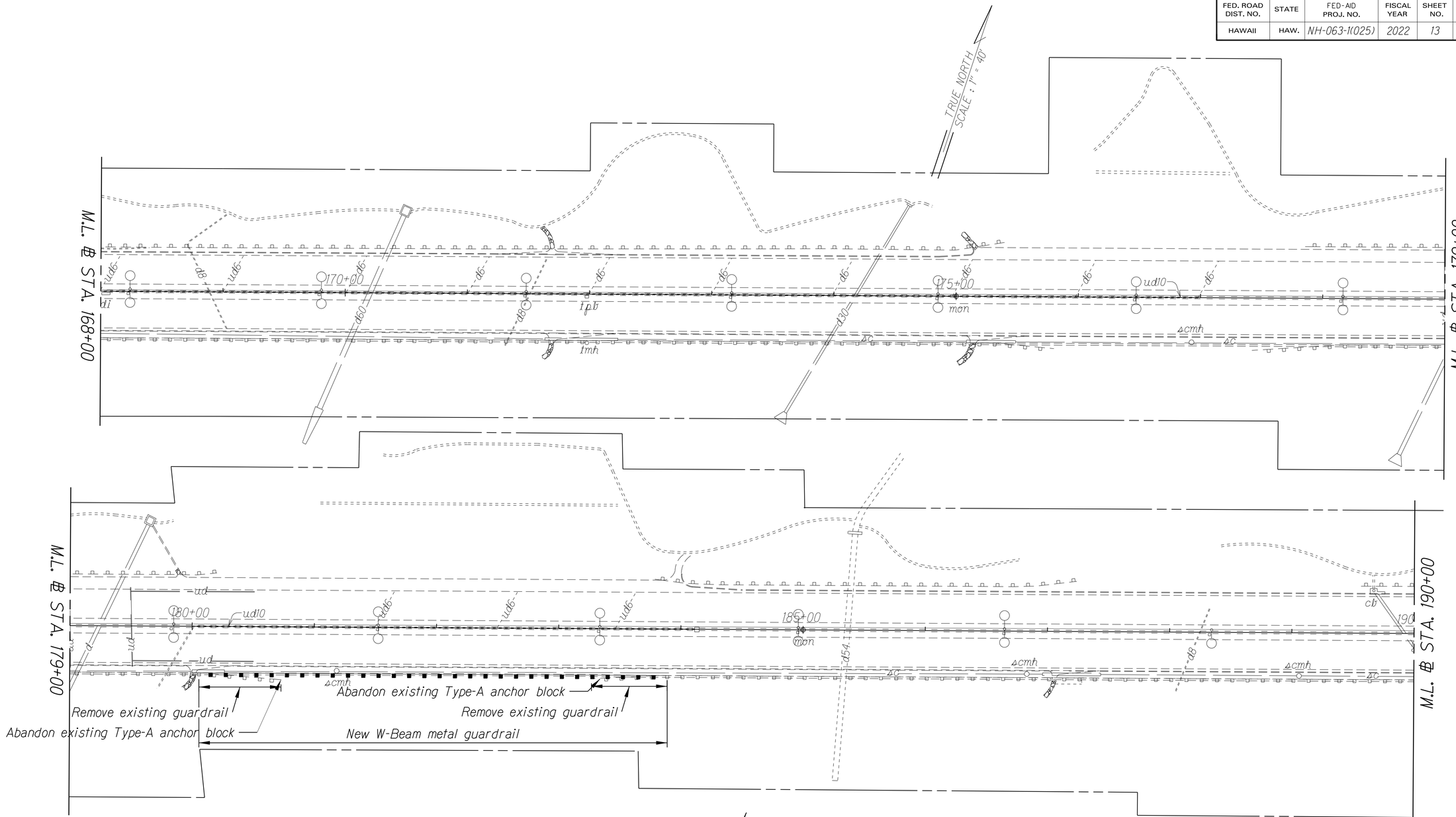
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	13	60



℄ Sta. 180+05± to ℄ Sta. 183+90± o/s 38'± Rt.

Remove 75' L.F. existing guardrail leading end.
Abandon existing leading end Type-A anchor block inplace.
Remove 75' L.F. existing guardrail trailing end.
Abandon existing trailing end Type-A anchor block inplace.
Install 400 L.F. W-Beam Metal Guardrail w/ Steel Posts between existing guardrail sections.

TRUE NORTH
SCALE : 1" = 40'

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

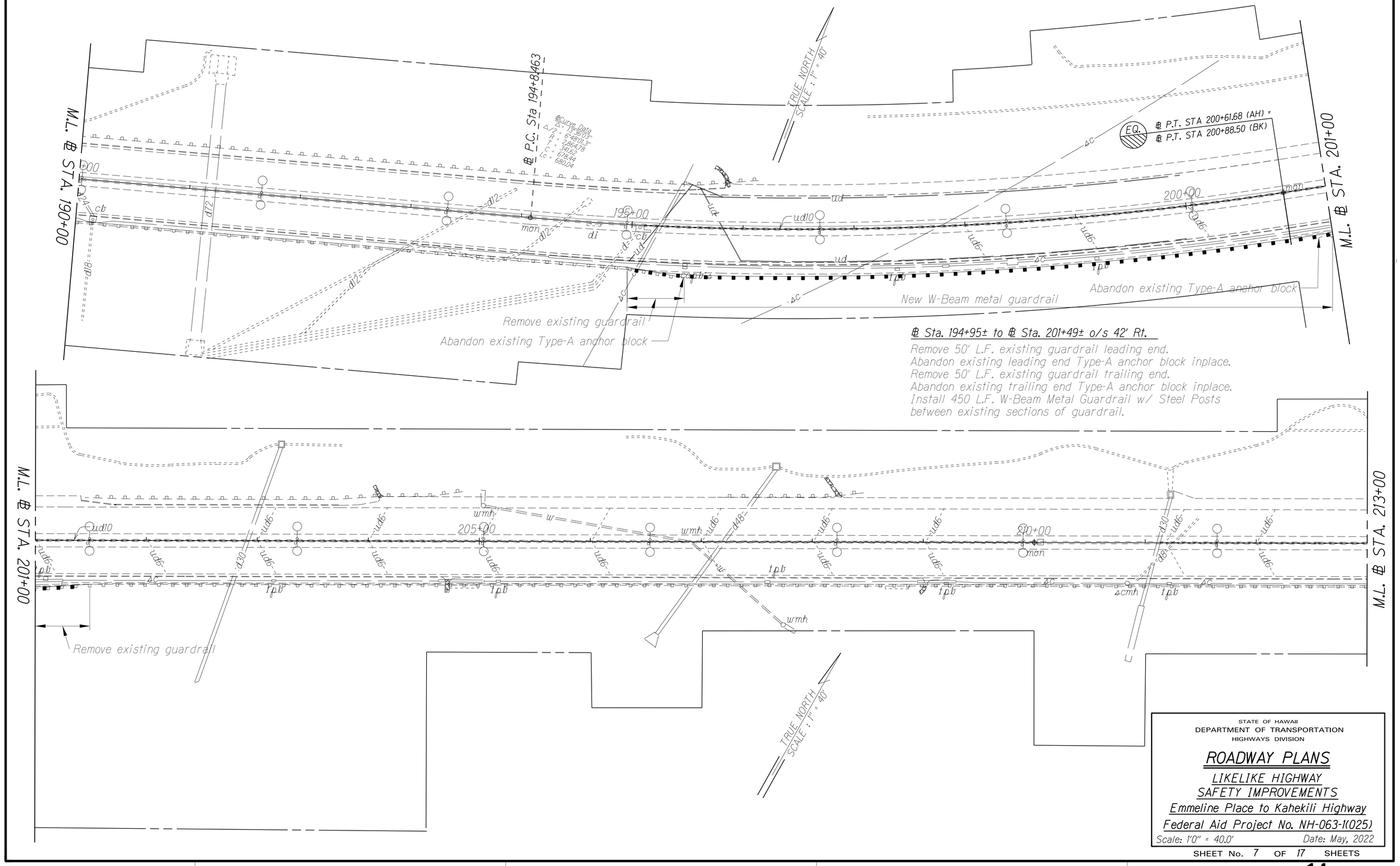
ROADWAY PLANS

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 6 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	14	60



⌀ Sta. 194+95± to ⌀ Sta. 201+49± o/s 42' Rt.

Remove 50' L.F. existing guardrail leading end.
Abandon existing leading end Type-A anchor block inplace.
Remove 50' L.F. existing guardrail trailing end.
Abandon existing trailing end Type-A anchor block inplace.
Install 450 L.F. W-Beam Metal Guardrail w/ Steel Posts between existing sections of guardrail.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

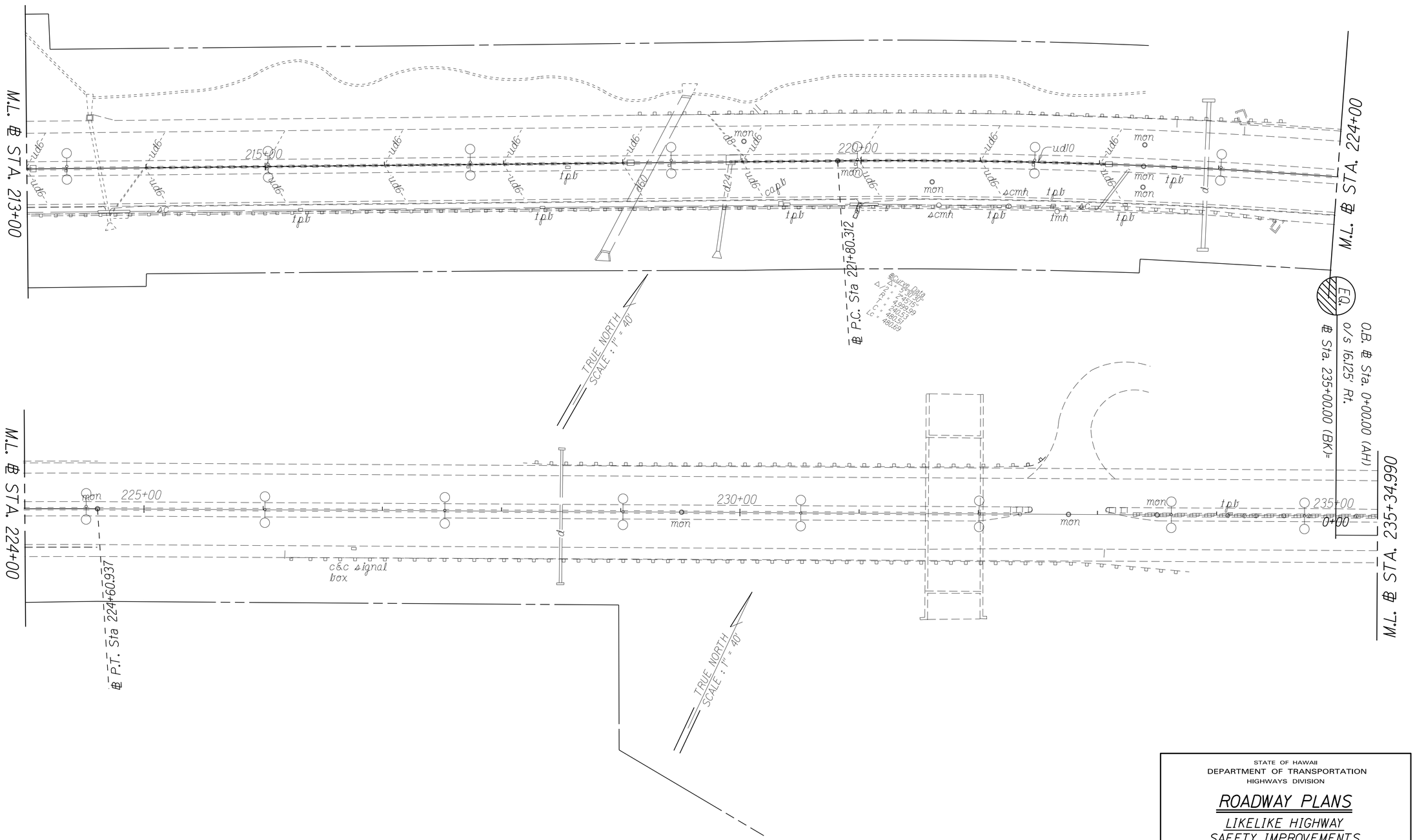
ROADWAY PLANS

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 7 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	15	60



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

LIKELIKE HIGHWAY SAFETY IMPROVEMENTS

Emmeline Place to Kahekili Highway

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

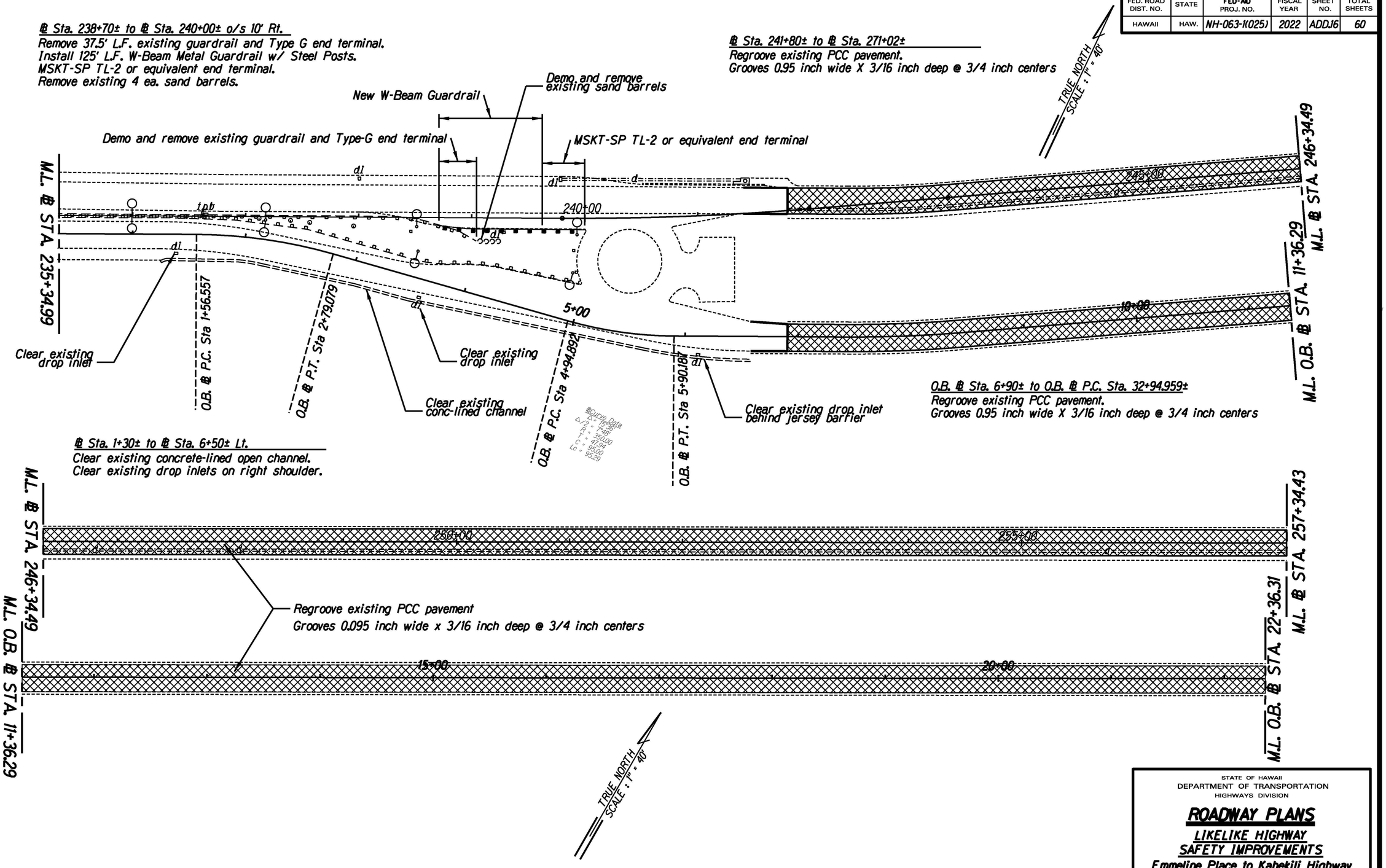
Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 8 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	ADDJ6	60

℄ Sta. 238+70± to ℄ Sta. 240+00± o/s 10' Rt.
Remove 37.5' L.F. existing guardrail and Type G end terminal.
Install 125' L.F. W-Beam Metal Guardrail w/ Steel Posts.
MSKT-SP TL-2 or equivalent end terminal.
Remove existing 4 ea. sand barrels.

℄ Sta. 241+80± to ℄ Sta. 271+02±
Regroove existing PCC pavement.
Grooves 0.95 inch wide X 3/16 inch deep @ 3/4 inch centers



O.B. ℄ Sta. 6+90± to O.B. ℄ P.C. Sta. 32+94.959±
Regroove existing PCC pavement.
Grooves 0.95 inch wide X 3/16 inch deep @ 3/4 inch centers

℄ Sta. 1+30± to ℄ Sta. 6+50± Lt.
Clear existing concrete-lined open channel.
Clear existing drop inlets on right shoulder.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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STATE OF HAWAII
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HIGHWAYS DIVISION

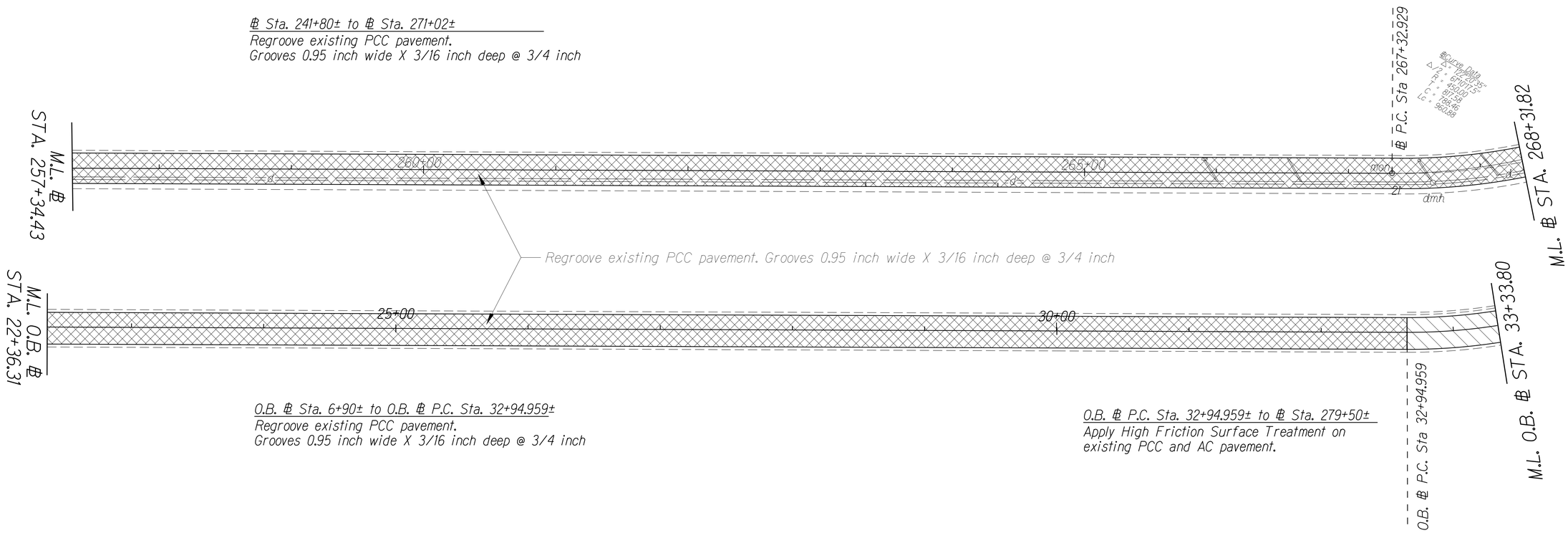
ROADWAY PLANS
LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS
Emmeline Place to Kahekili Highway
Federal Aid Project No. NH-063-1(025)

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 9 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	17	60

℄ Sta. 241+80± to ℄ Sta. 271+02±
Regroove existing PCC pavement.
Grooves 0.95 inch wide X 3/16 inch deep @ 3/4 inch



O.B. ℄ Sta. 6+90± to O.B. ℄ P.C. Sta. 32+94.959±
Regroove existing PCC pavement.
Grooves 0.95 inch wide X 3/16 inch deep @ 3/4 inch

O.B. ℄ P.C. Sta. 32+94.959± to ℄ Sta. 279+50±
Apply High Friction Surface Treatment on existing PCC and AC pavement.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

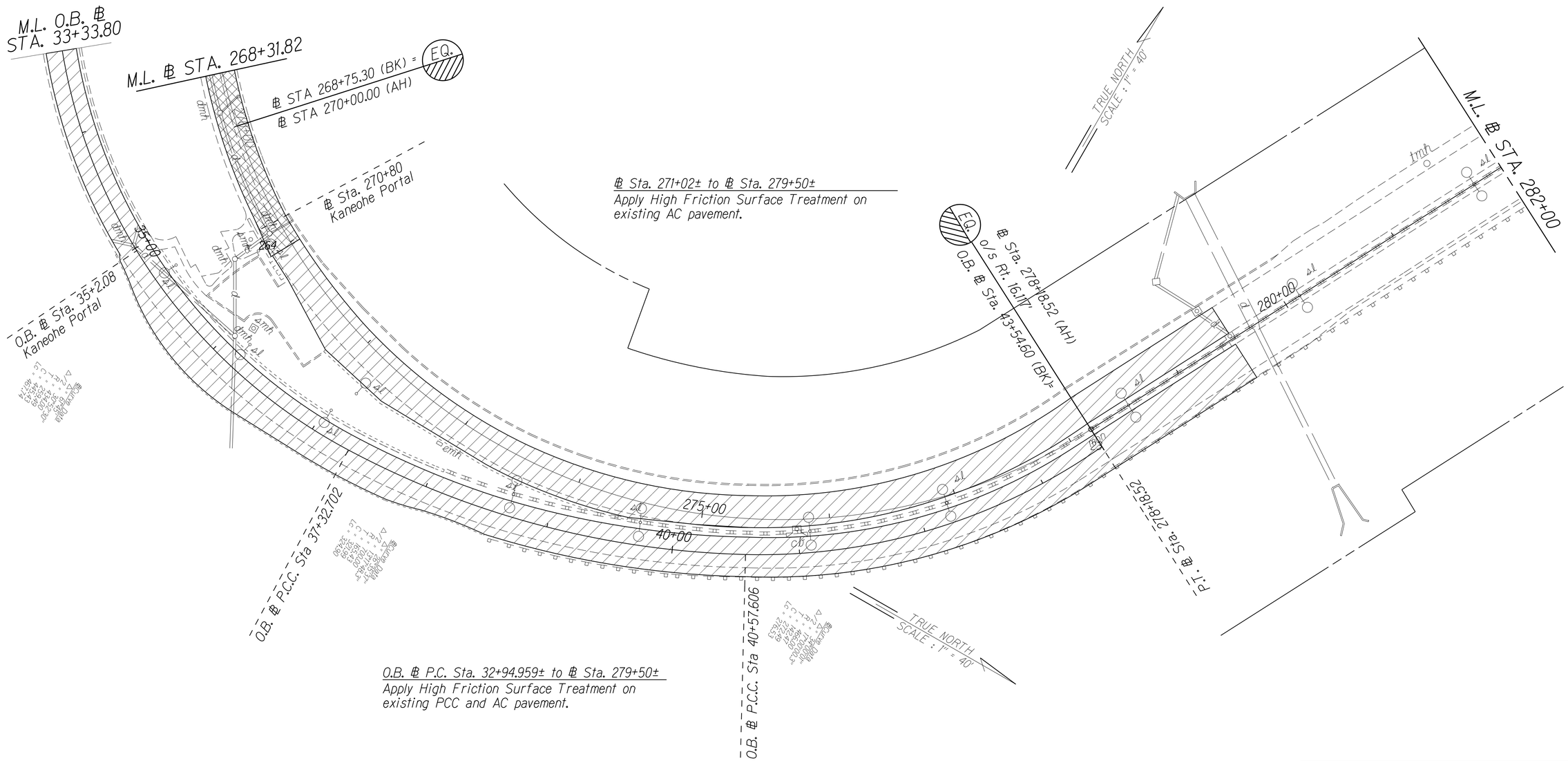
LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS
Emmeline Place to Kahekili Highway
Federal Aid Project No. NH-063-1(025)

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 10 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	18	60

℄ Sta. 241+80± to ℄ Sta. 271+02±
Regroove existing PCC pavement.
Grooves 0.95 inch wide X 3/16 inch deep @ 3/4 inch



O.B. ℄ P.C. Sta. 32+94.959± to ℄ Sta. 279+50±
Apply High Friction Surface Treatment on
existing PCC and AC pavement.

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

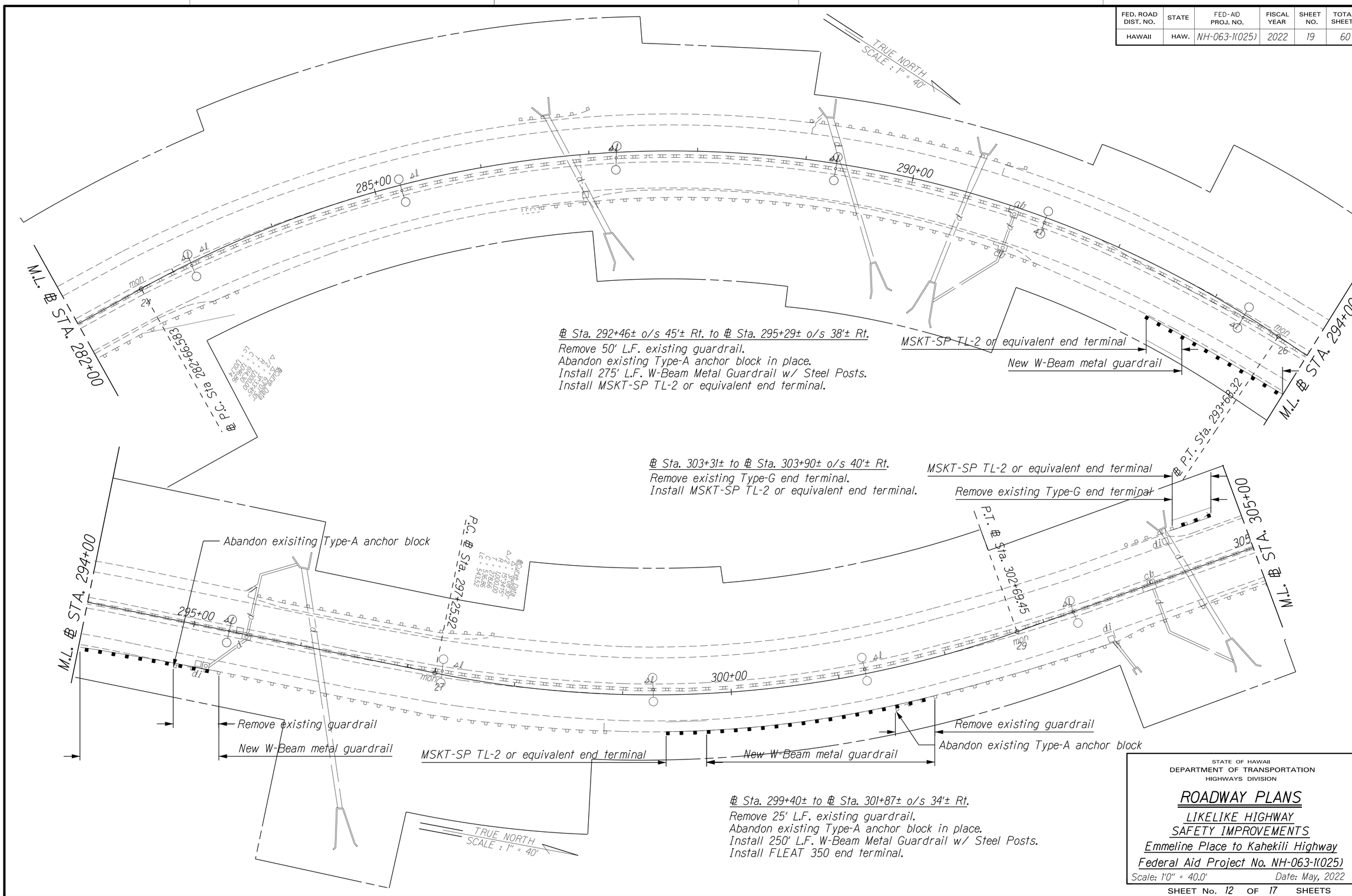
ROADWAY PLANS

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 11 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	19	60



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STATE OF HAWAII
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ROADWAY PLANS

LIKELIKE HIGHWAY SAFETY IMPROVEMENTS

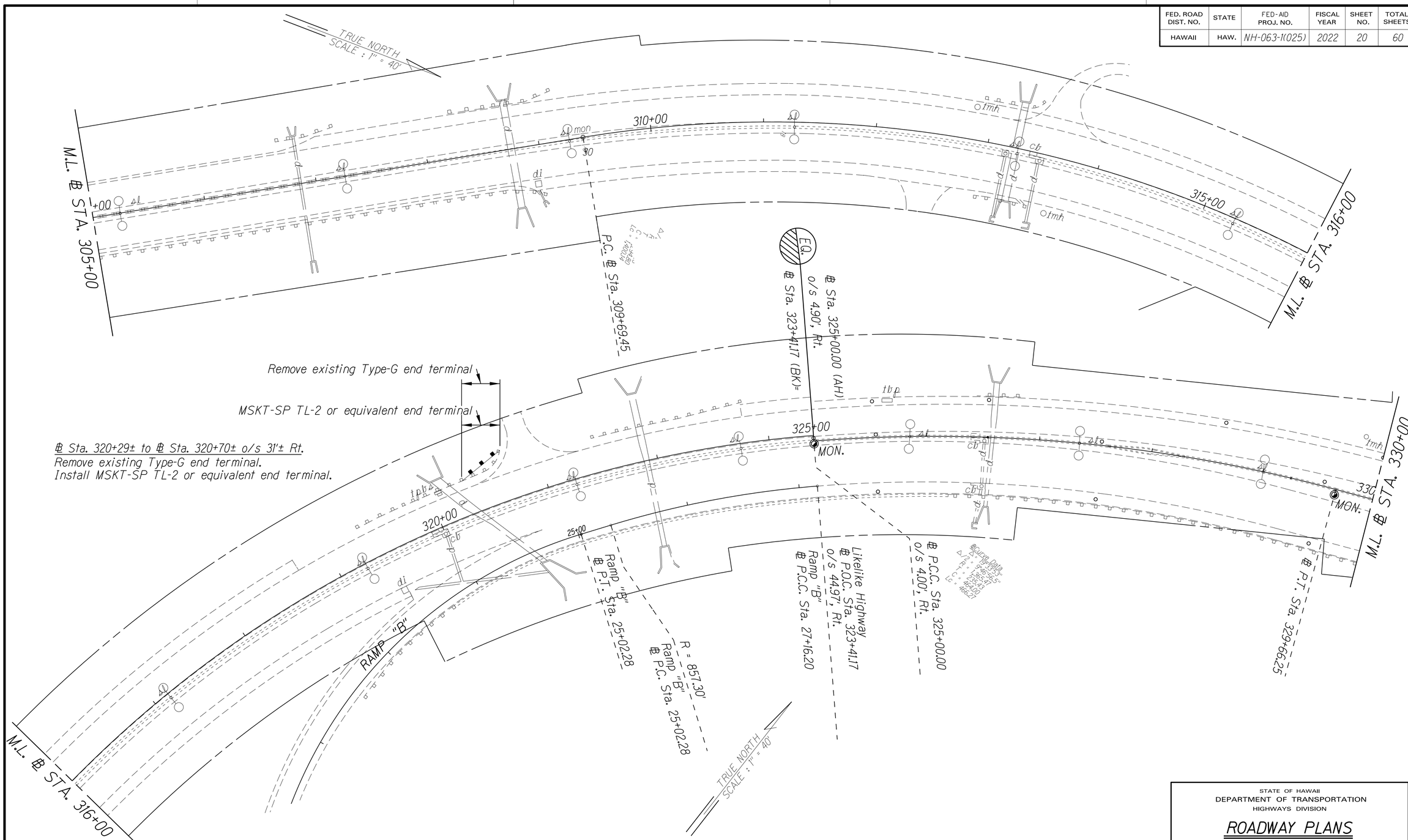
Emmeline Place to Kahekili Highway

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

Scale: 1'0" = 40.0' Date: May, 2022

SHEET No. 12 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	20	60



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STATE OF HAWAII
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ROADWAY PLANS

LIKELIKE HIGHWAY
SAFETY IMPROVEMENTS
Emmeline Place to Kahekili Highway
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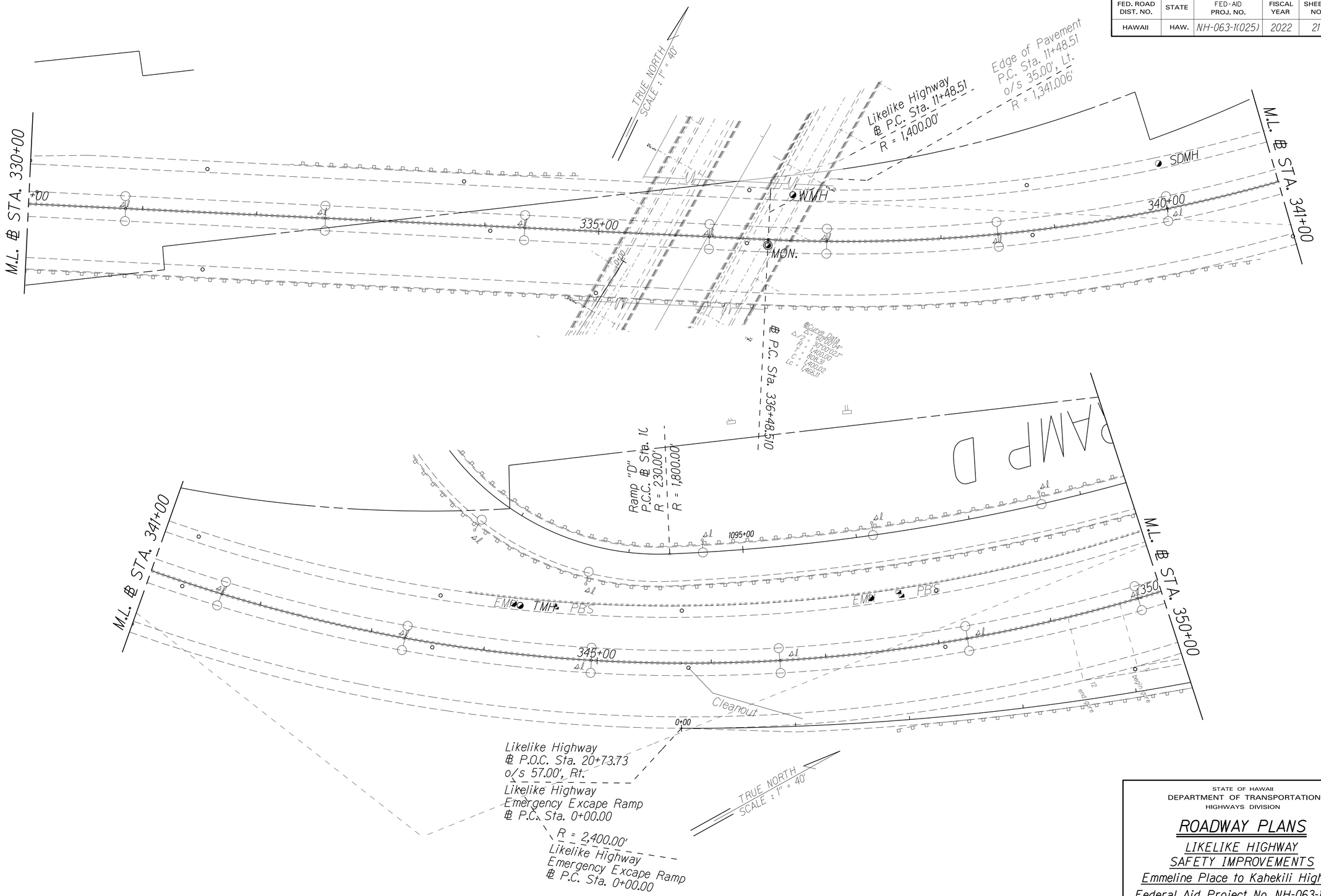
SHEET No. 13 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	21	60



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LIKELIKE HIGHWAY
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Emmeline Place to Kahekili Highway
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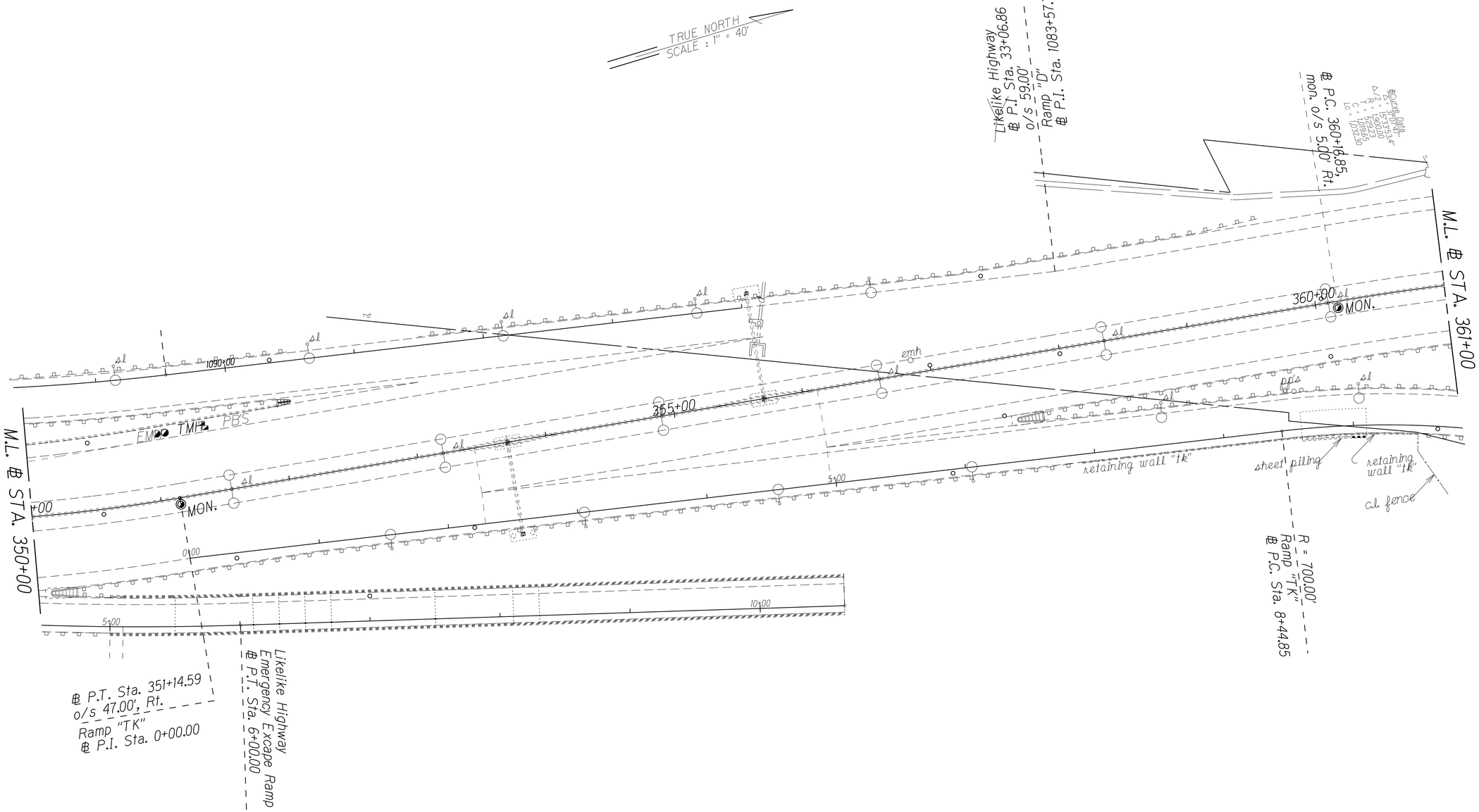
SHEET No. 14 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	22	60



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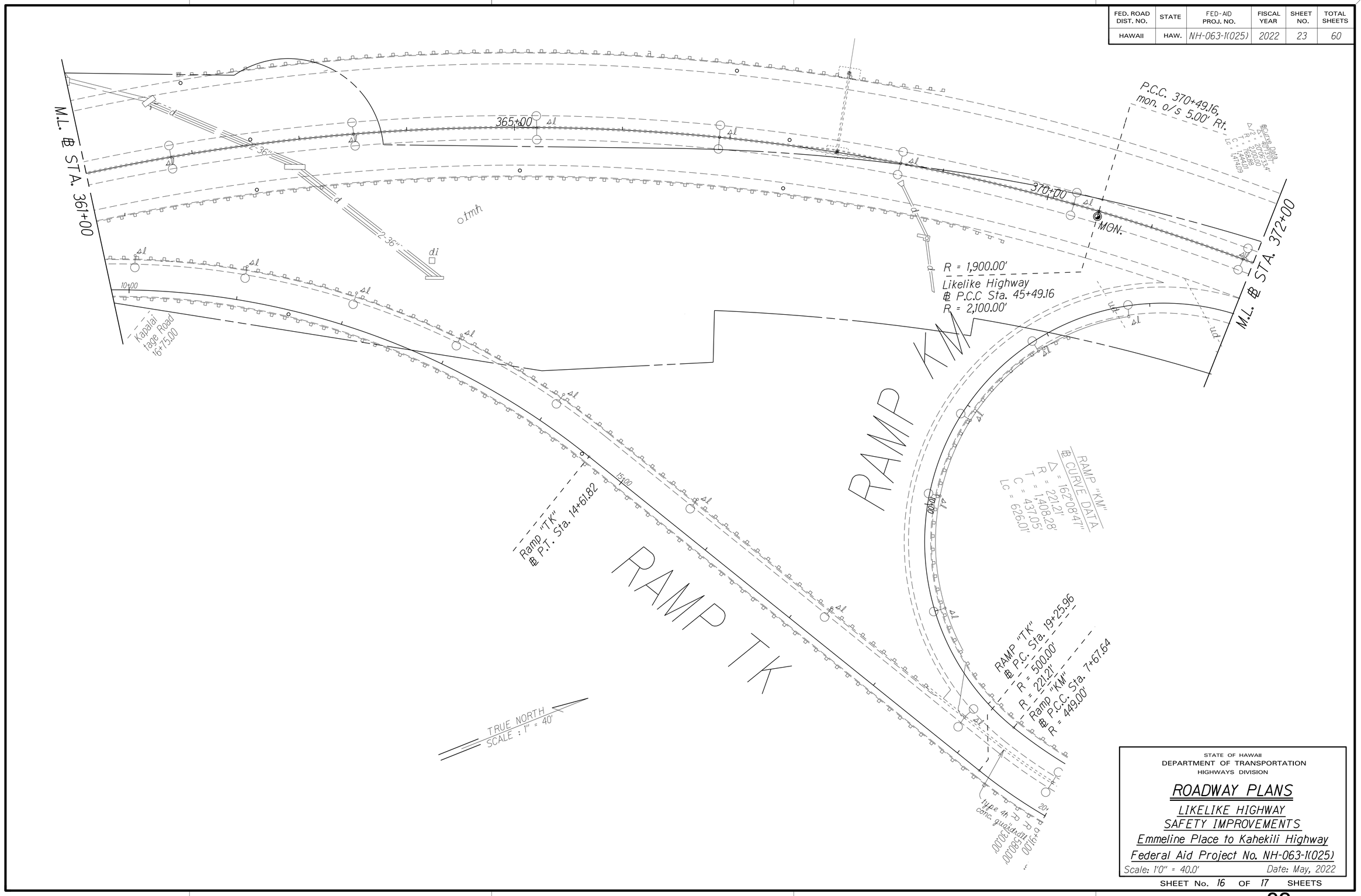
SHEET No. 15 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	23	60



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LIKELIKE HIGHWAY SAFETY IMPROVEMENTS

Emmeline Place to Kahekili Highway

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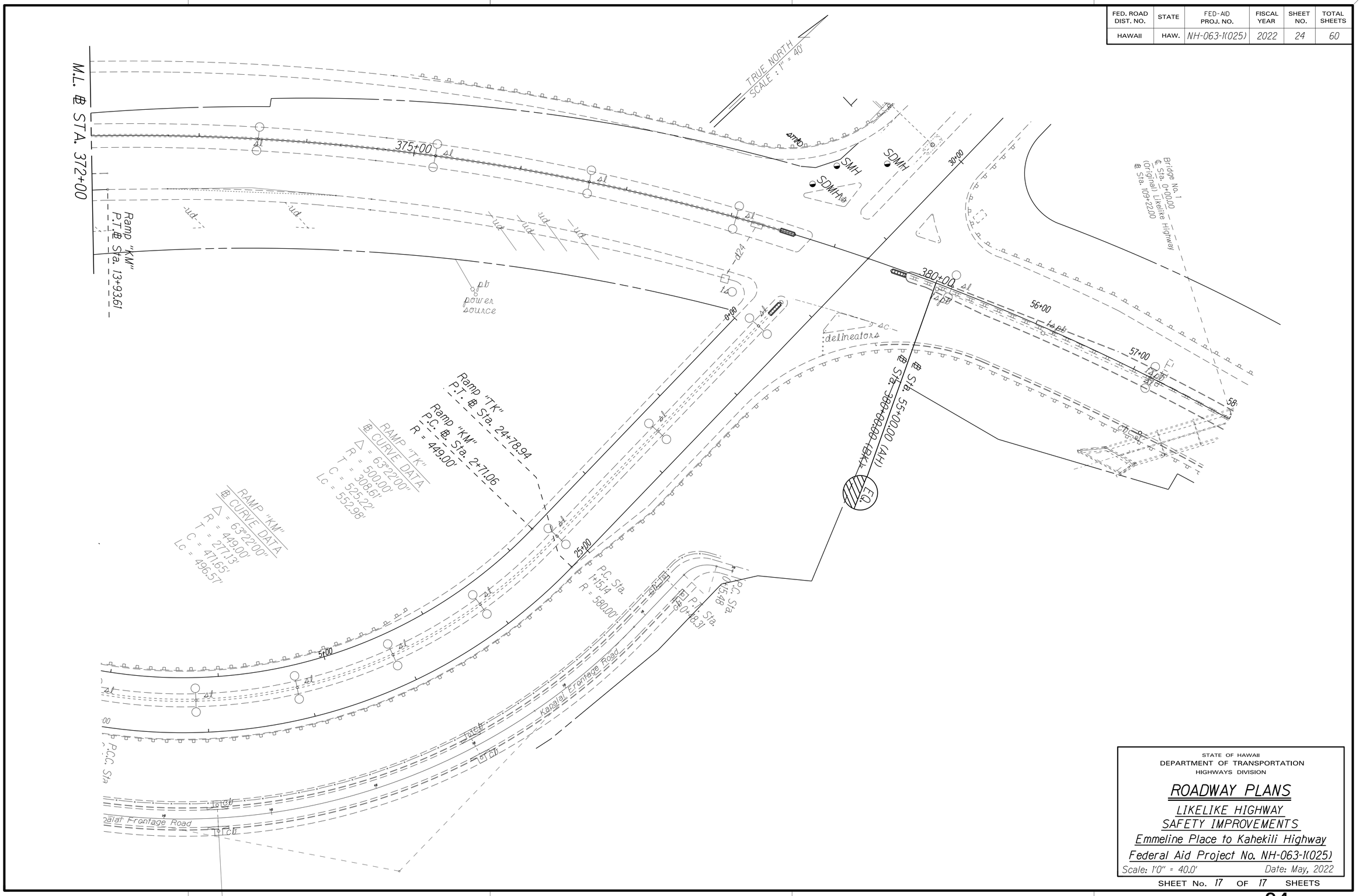
SHEET No. 16 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(025)	2022	24	60



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SHEET No. 17 OF 17 SHEETS