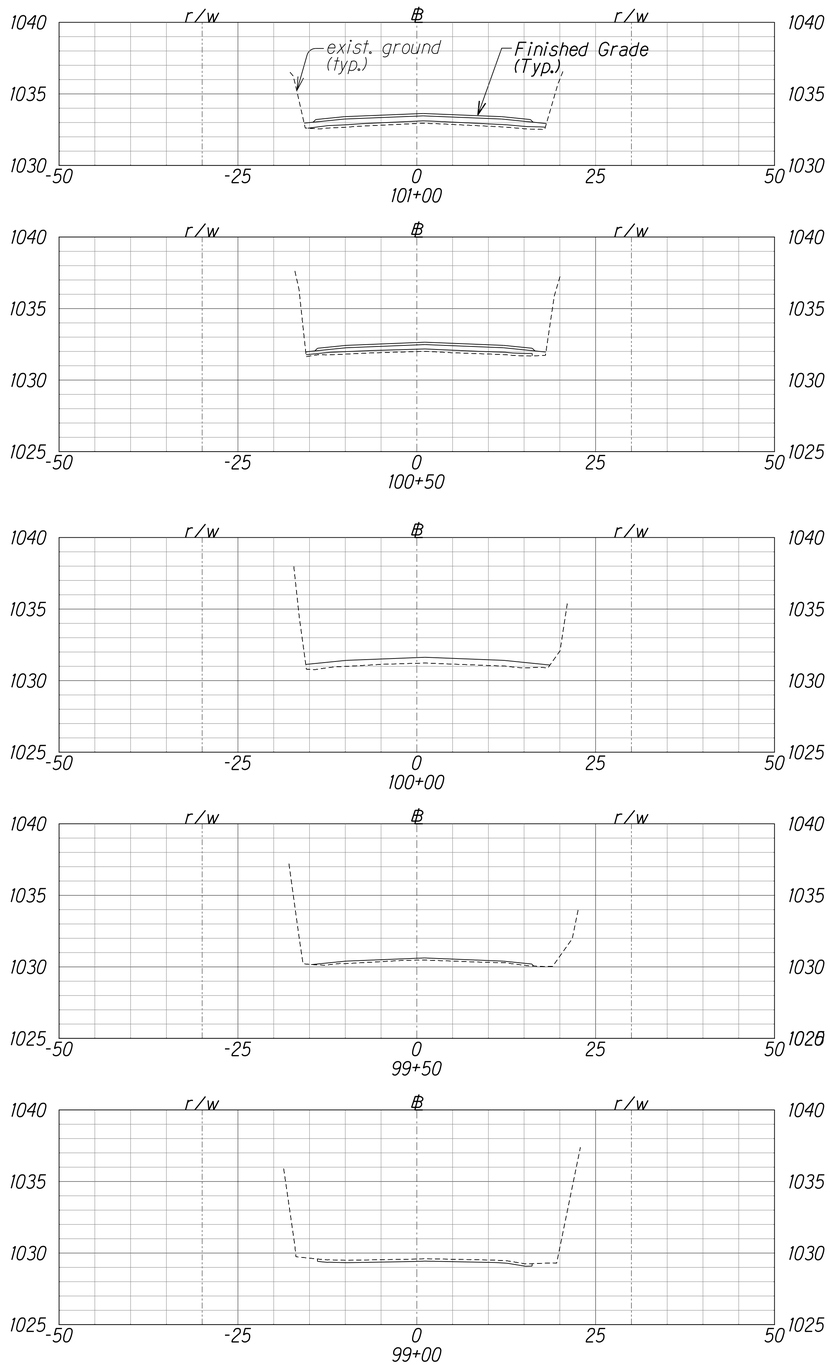
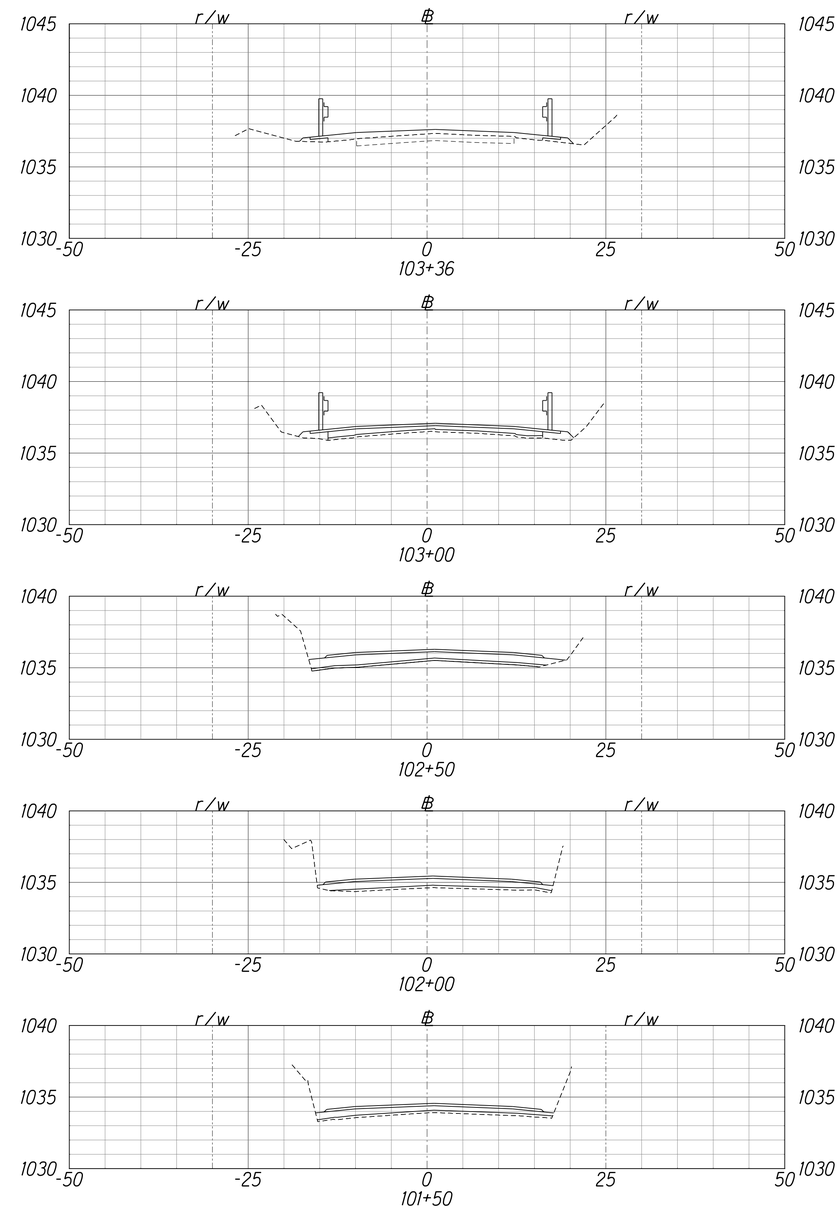
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	21	23

Scale Horiz: 1"=10'
Vert: 1"=5'





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Licensed Professional Engineer
No.8336-C
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Expiration Date of License 4/22

REDUCED PLAN
(HALF SIZE)
0 1 2 3
3 INCHES OF ORIGINAL PLAN

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

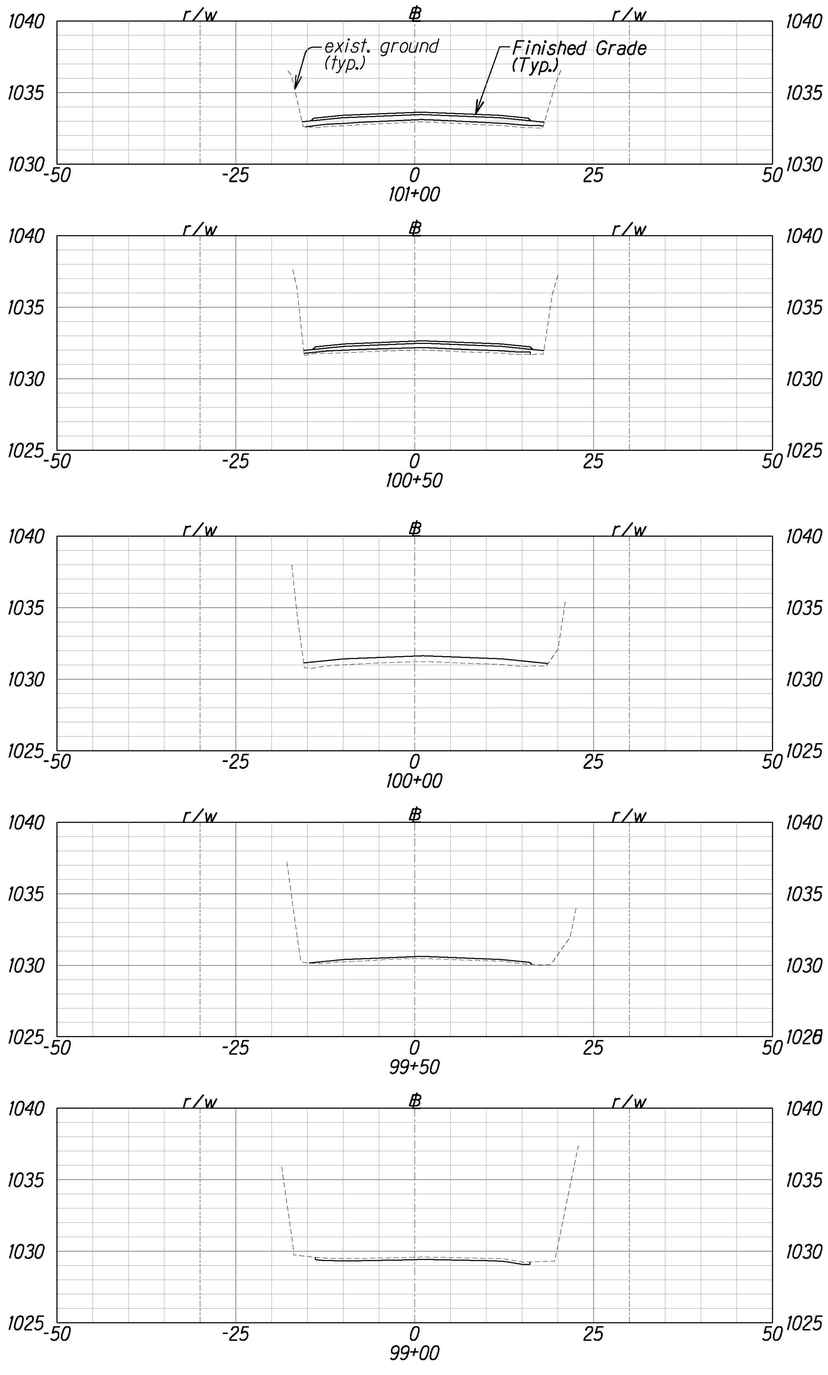
CROSS SECTIONS

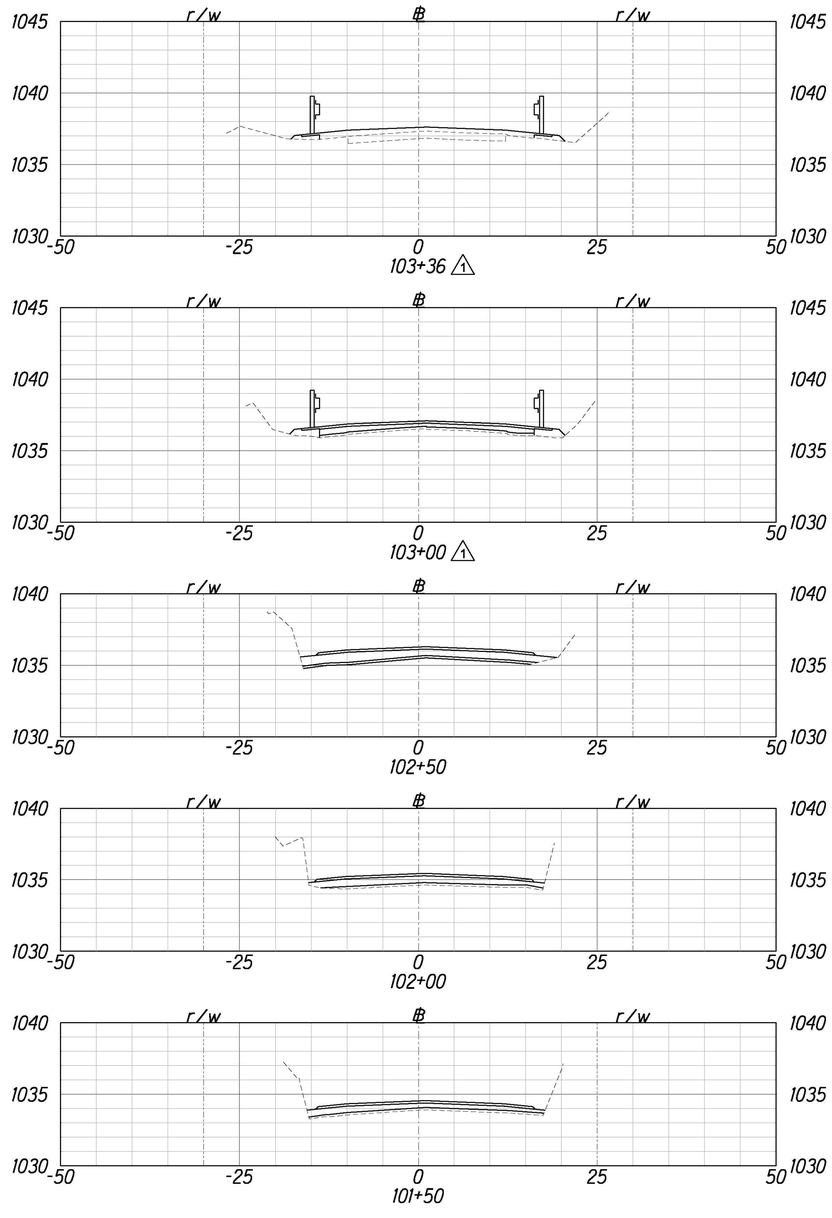
PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

Scale: As Noted Date: August 2021

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.22	24





Graphic Scales

10′ 5′ 0 10′ 20′

Horiz: 1″=10′

5′ 0 5′ 10′

Vert: 1″=5′

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Date	Description
10/25/21	△1 Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

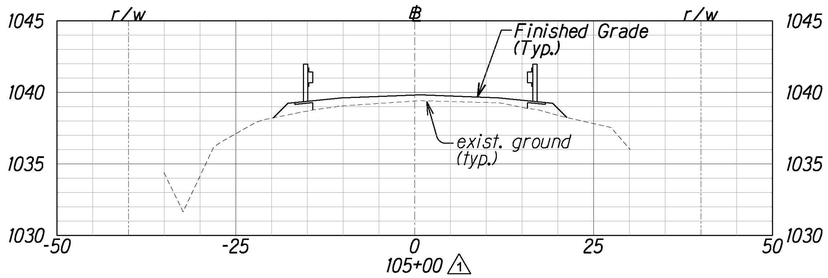
Scale: As Noted Date: August 2021

SHEET No. 1 OF 3 SHEETS

ADD.22

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.23	24



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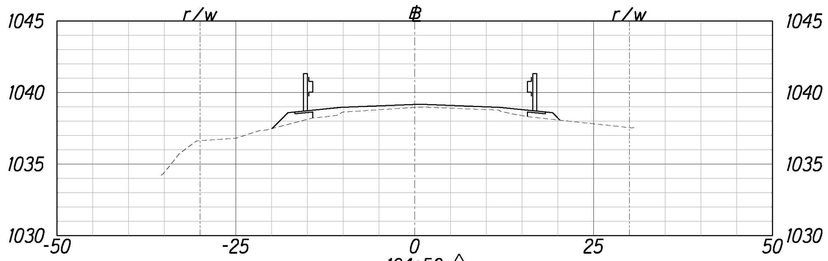

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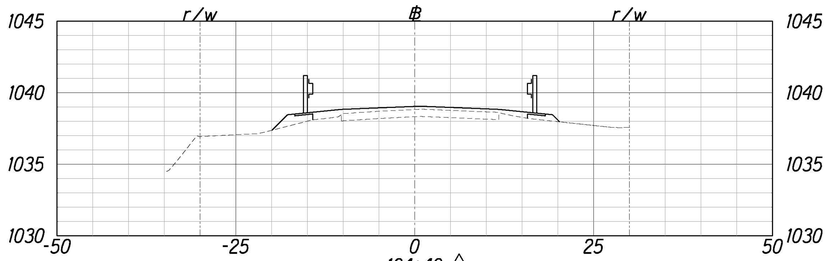

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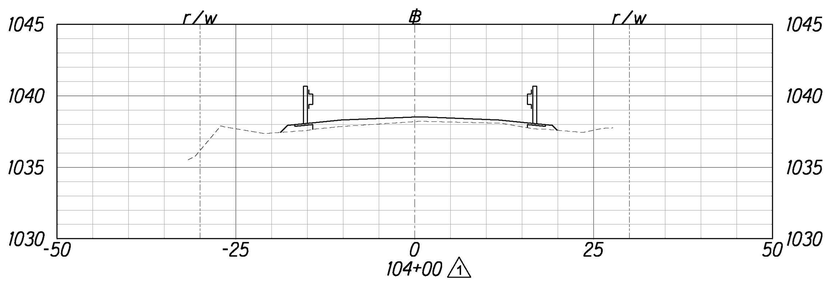

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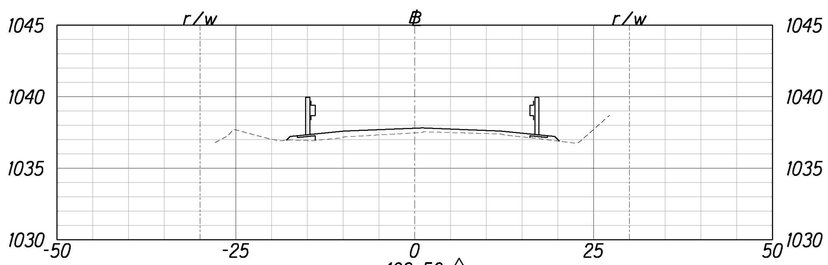

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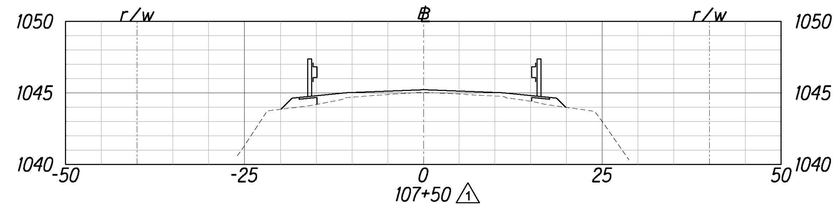

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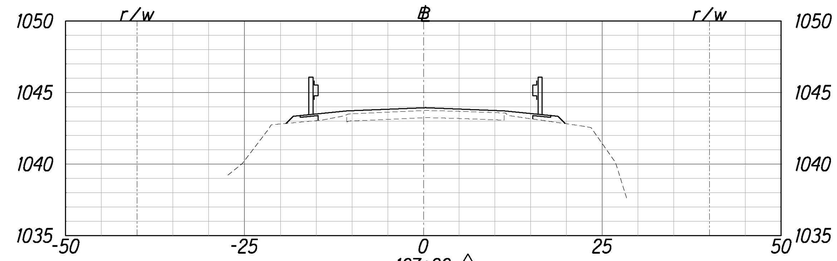

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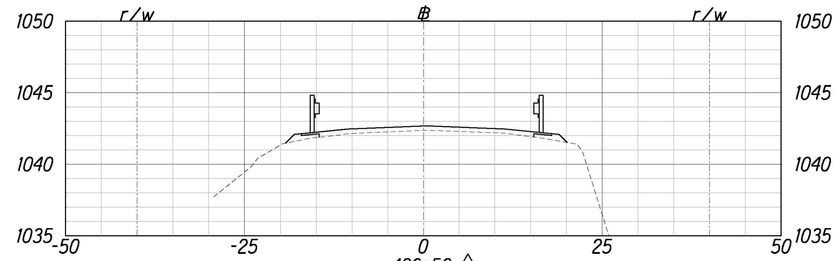

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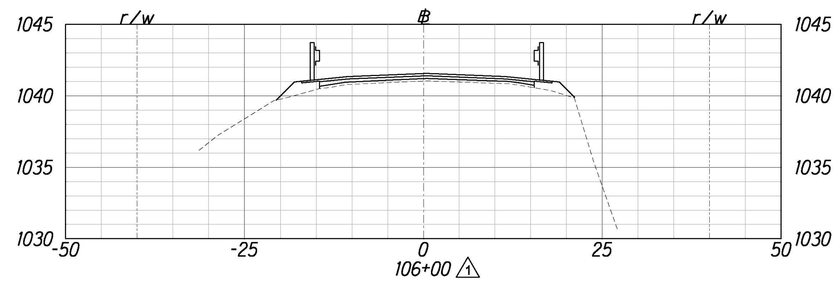

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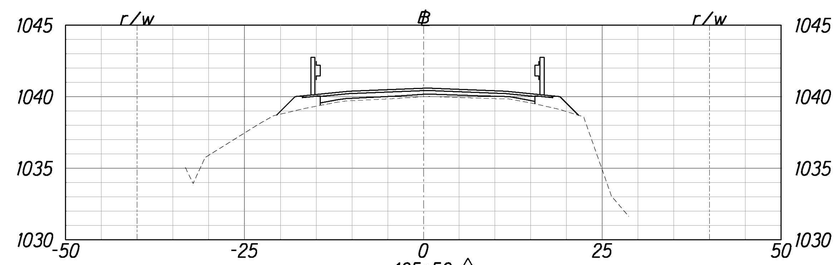

105+50 △1

Graphic Scales

10′ 5′ 0 10′ 20′

Horiz: 1″=10′

5′ 0 5′ 10′

Vert: 1″=5′

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

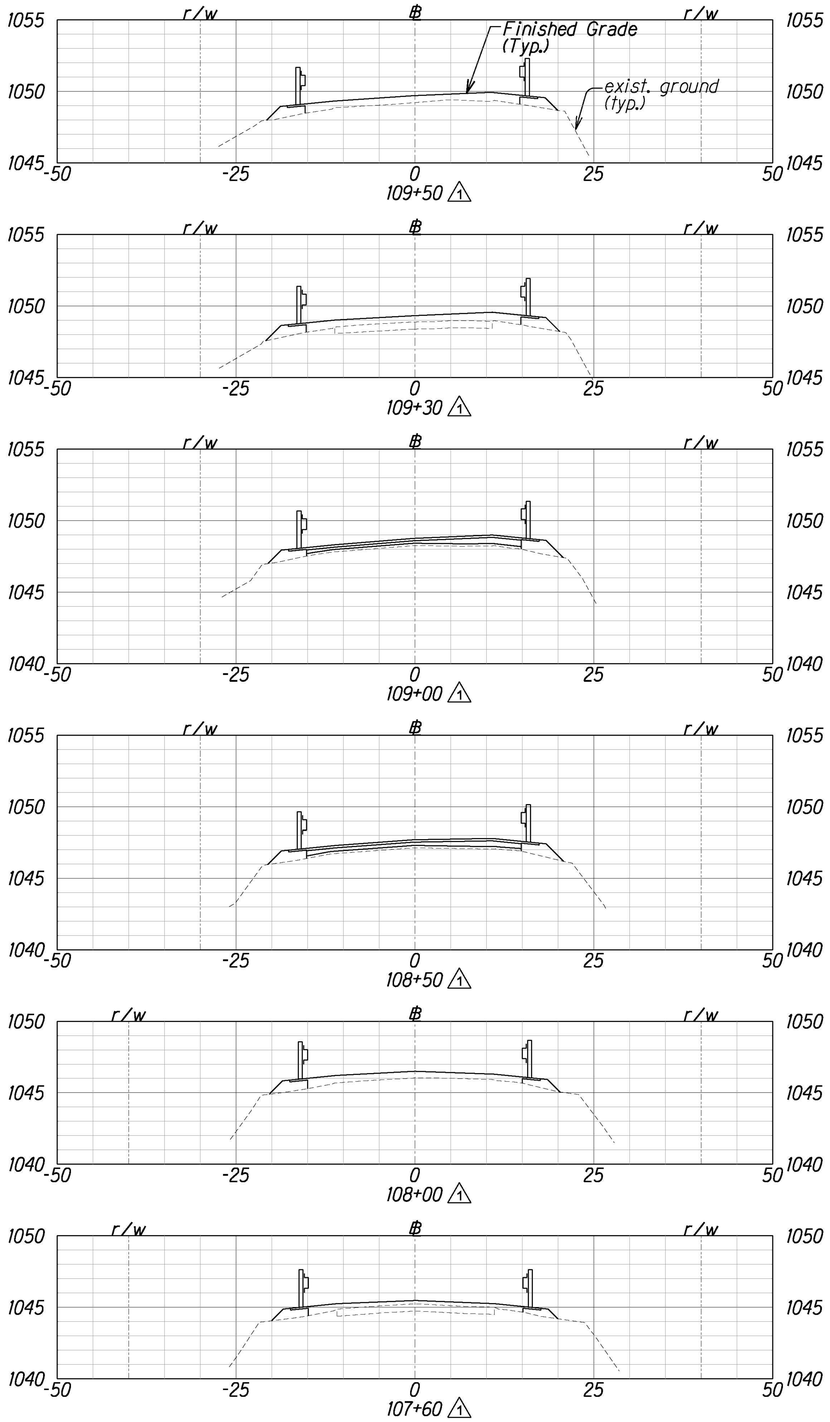
Scale: As Noted Date: August 2021

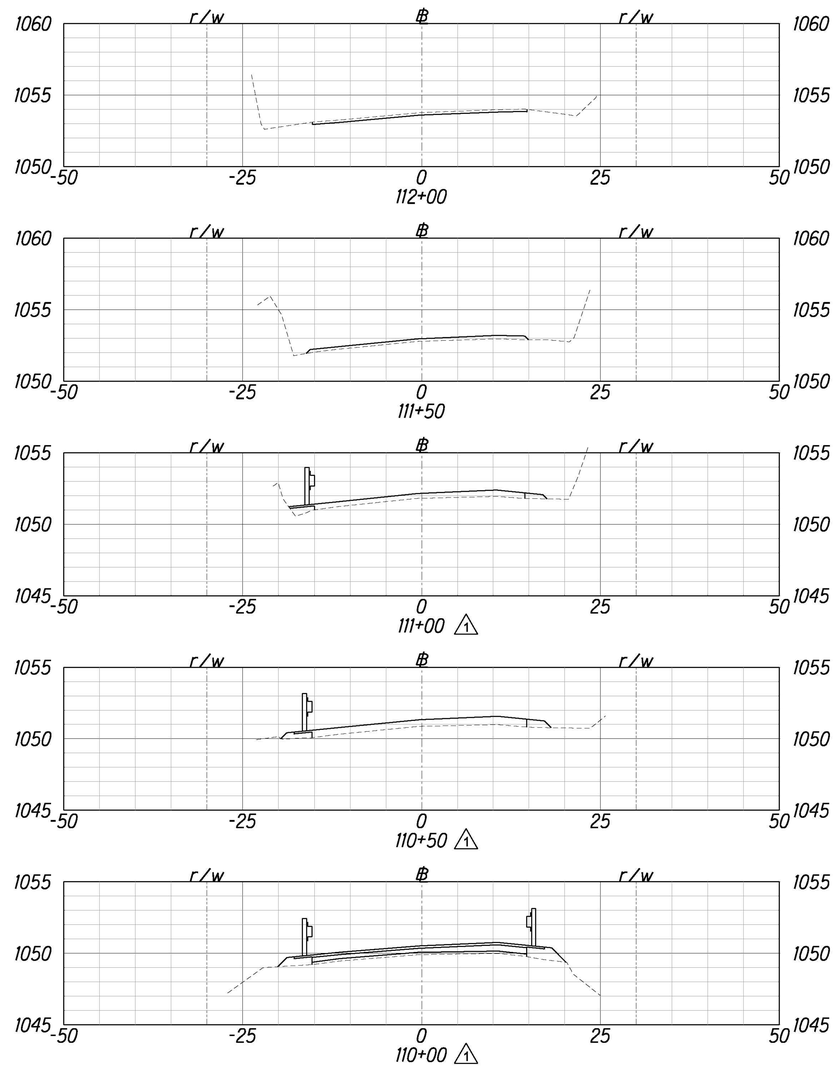
SHEET No. 2 OF 3 SHEETS

ADD.23

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.24	24





Sta.	Cl Eg	Cl Fg	11' Lt. Fg	11' Rt. Fg	11' Lt. Eg	11' Rt. Eg
99+00	1029.61	1029.61	1029.39	1029.39	1029.22	1029.22
99+50	1030.48	1030.62	1030.40	1030.40	1030.22	1030.29
100+00	1031.33	1031.63	1031.41	1031.41	1030.99	1031.02
100+50	1032.01	1032.65	1032.43	1032.43	1031.82	1031.78
101+00	1032.95	1033.63	1033.41	1033.41	1032.67	1032.70
101+50	1033.92	1034.56	1034.34	1034.34	1033.56	1033.70
102+00	1034.64	1035.45	1035.23	1035.23	1034.36	1034.48
102+50	1035.51	1036.29	1036.07	1036.07	1035.03	1035.21
103+00	1036.49	1037.08	1036.86	1036.86	1036.13	1036.21
103+36	1037.34	1037.62	1037.40	1037.40	1036.97	1037.13
103+50	1037.53	1037.83	1037.61	1037.61	1037.19	1037.40
104+00	1038.20	1038.53	1038.31	1038.31	1037.86	1038.08
104+40	1038.84	1039.05	1038.83	1038.83	1038.46	1038.62
104+50	1038.97	1039.18	1038.96	1038.96	1038.63	1038.77
105+00	1039.42	1039.83	1039.61	1039.61	1039.05	1039.26
105+50	1040.03	1040.61	1040.39	1040.39	1039.72	1039.85
106+00	1041.04	1041.56	1041.34	1041.34	1040.78	1040.84
106+50	1042.37	1042.67	1042.45	1042.45	1042.12	1042.16
107+00	1043.74	1043.93	1043.71	1043.71	1043.50	1043.56
107+50	1045.04	1045.22	1045.00	1045.00	1044.66	1044.75
107+60	1045.24	1045.48	1045.26	1045.26	1044.88	1045.01
108+00	1046.03	1046.5	1046.28	1046.30	1045.76	1045.92
108+50	1047.12	1048.58	1048.36	1048.67	1047.80	1047.94
109+00	1048.25	1048.75	1048.53	1048.99	1048.04	1048.23
109+30	1048.88	1049.33	1049.11	1049.57	1048.62	1048.96
109+50	1049.20	1049.69	1049.47	1049.93	1049.01	1049.32
110+00	1049.91	1050.52	1050.30	1050.76	1049.69	1049.99
110+50	1050.87	1051.34	1051.12	1051.58	1050.66	1051.00
111+00	1051.82	1052.14	1051.92	1052.38	1051.58	1051.95
111+50	1052.78	1052.95	1052.73	1053.19	1052.56	1052.94
112+00	1053.76	1053.76	1053.54	1054.00	1053.37	1053.83

Graphic Scales

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

Scale: As Noted Date: August 2021

SHEET No. 3 OF 3 SHEETS

ADD.24

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