FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(5)	1967	33	47

FINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

Exc. ~~250~~ 450
Emb. 165

24385 2438.36

374 +50

Cut ~~222~~ 262
Fill 88
S.M. 40

Exc. ~~350~~ 444
Emb. 161

24410 2440.93

374 +00

Cut ~~156~~ 217
Fill 86
S.M. 40

Exc. ~~276~~ 388
Emb. 159

24435 2443.51

373 +50

Cut ~~142~~ 202
Fill 86
S.M. 40

Exc. ~~295~~ 420
Emb. 159

24462 2446.08

373 +00

Cut ~~180~~ 252
Fill 86
S.M. 40

Exc. ~~347~~ 467
Emb. 159

24488 2448.66

372 +50

Cut ~~195~~ 252
Fill 86
S.M. 40

Exc. ~~345~~ 402
Emb. 159

24511.23 2451.23

372 +00

(BEG. PROJ. F-011-2(5)
END PROJ. S-0122(1))

Cut ~~178~~ 182
Fill 86
S.M. 40

Exc. ~~220~~ 266
Emb. 168

24541 2403.92

380 +00

Cut ~~150~~ 162
Fill 89
S.M. 40

Exc. ~~300~~ 356
Emb. 169

24112 2412.58

379 +50

Cut ~~174~~ 222
Fill 94
S.M. 40

Exc. ~~330~~ 463
Emb. 174

24143 2415.18

379 +00

Cut ~~198~~ 278
Fill 94
S.M. 40

Exc. ~~442~~ 585
Emb. 171

24174 2417.76

378 +50

Cut ~~285~~ 354
Fill 91
S.M. 40

Exc. ~~691~~ 743
Emb. 165

24203 2420.33

378 +00

Cut ~~396~~ 448
Fill 87
S.M. 40

922 ~~857~~ 160 Exc. Emb.

24232 2422.91

377 +50

Cut ~~527~~ 548
Fill 86
S.M. 40

1030 ~~964~~ 159 Exc. Emb.

24262 2425.48

377 +00

Cut ~~518~~ 564
Fill 86
S.M. 40

1052 ~~970~~ 159 Exc. Emb.

24292 2428.06

376 +50

Cut ~~530~~ 572
Fill 86
S.M. 40

944 ~~897~~ 159 Exc. Emb.

24321 2430.63

376 +00

Cut ~~374~~ 447
Fill 86
S.M. 40

Exc. ~~564~~ 700
Emb. 160

24353 2433.21

375 +50

Cut ~~235~~ 309
Fill 87
S.M. 40

Exc. ~~371~~ 404
Emb. 164

24383.8 2435.78

375 +00

Cut ~~166~~ 224
Fill 90
S.M. 40

NOTE: These Cross-Sections have been drawn with a 6'-0" wide, 4:1 Ditch Section on the right. Actual dimensions for this ditch shall be as indicated in the Typical Section

Authorized over-excavation to remove mud indicated in solid red line. Unauthorized over-excavation indicated in dashed red line.

33 33

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(8)	1967	34	47

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRANSPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRANSPLATE — AREAS — AREAS CHECKED — BY — DATE

Exc. 0
Emb. 352
2377.88
385+50
Cut 0
Fill 181
S.M. 41

Exc. ~~36~~ 50
Emb. 294
2380.88

Exc. ~~84~~ 150
Emb. 236
385+00
2383.88
Cut ~~77~~ 107
Fill 137
S.M. 40

Exc. ~~35~~ 115
Emb. 256
384+50
2386.88
Cut ~~14~~ 55
Fill 118
S.M. 40

Exc. ~~108~~ 171
Emb. 239
384+00
2388.88
Cut ~~84~~ 69
Fill 197
S.M. 40

Exc. ~~205~~ 257
Emb. 209
383+50
2392.88
Cut ~~87~~ 116
Fill 121
S.M. 41

Exc. ~~244~~ 288
Emb. 194
383+00
2395.86
Cut ~~194~~ 162
Fill 105
S.M. 40

Exc. ~~231~~ 266
Emb. 212
382+50
2398.77
Cut ~~129~~ 149
Fill 104
S.M. 40

Exc. ~~262~~ 312
Emb. 222
382+00
2401.65
Cut ~~120~~ 138
Fill 125
S.M. 40

Exc. ~~302~~ 386
Emb. 201
381+50
2404.45
Cut ~~169~~ 199
Fill 115
S.M. 40

Exc. ~~235~~ 318
Emb. 180
381+00
2407.22
Cut ~~91~~ 125
Fill 92
S.M. 40

Exc. 0
Emb. ~~242~~
2347.33
391+00
Cut 0
Fill 114
S.M. 38

Exc. 0
Emb. 181
2349.58

Exc. 0
Emb. 231
390+50
2351.97
Cut 0
Fill 81
S.M. 38

Exc. 0
Emb. 341
390+00
2354.49
Cut 0
Fill 168
S.M. 40

Exc. 0
Emb. 366
389+50
2357.15
Cut 0
Fill 200
S.M. 41

Exc. 0
Emb. 433
389+00
2359.95
Cut 0
Fill 155
S.M. 41

Exc. 0
Emb. 548
388+50
2362.88
Cut 0
Fill 273
S.M. 41

Exc. 0
Emb. 420
388+00
2365.88
Cut 0
Fill 256
S.M. 41

Exc. 0
Emb. 391
387+50
2368.88
Cut 0
Fill 202
S.M. 41

Exc. 0
Emb. 350
387+00
2371.88
Cut 0
Fill 218
S.M. 41

Exc. 0
Emb. 332
386+50
2374.88
Cut 0
Fill 160
S.M. 41

386+00
Cut 0
Fill 199
S.M. 41

Exc. 0
Emb. 500
2332.28

Exc. 0
Emb. 472
396+00
2333.17
Cut 0
Fill 255
S.M. 41

Exc. 0
Emb. 426
395+50
2334.20
Cut 0
Fill 255
S.M. 41

Exc. 0
Emb. 358
395+00
2335.37
Cut 0
Fill 205
S.M. 40

Exc. 0
Emb. 306
394+50
2336.67
Cut 0
Fill 182
S.M. 39

Exc. 0
Emb. 296
394+00
2338.10
Cut 0
Fill 168
S.M. 39

Exc. 0
Emb. 315
393+50
2339.68
Cut 0
Fill 172
S.M. 39

Exc. 0
Emb. 319
393+00
2341.39
Cut 0
Fill 168
S.M. 39

Exc. 0
Emb. 328
392+50
2343.23
Cut 0
Fill 177
S.M. 39

Exc. 0
Emb. 300
392+00
2345.21
Cut 0
Fill 177
S.M. 39

391+50
Cut 0
Fill 147
S.M. 39

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
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EUGENE DIETZGEN CO.

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FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(5)	1967	35	47

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — COMPUTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — COMPUTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE — M.H. — C.C. — A.S. — A.B.

Exc. ~~1357~~ 1401
Emb. 159

Exc. ~~1251~~ 1283
Emb. 160

Cut ~~791~~ 813
Fill 86
S.M. 40

400+50

Exc. ~~922~~ 947
Emb. 167

Cut ~~560~~ 573
Fill 87
S.M. 40

400+00

Exc. ~~764~~ 784
Emb. 175

Cut ~~436~~ 450
Fill 93
S.M. 40

399+50

Exc. ~~506~~ 543
Emb. 190

Cut ~~383~~ 407
Fill 96
S.M. 40

399+00

Exc. ~~102~~ 116
Emb. 256

Cut ~~157~~ 179
Fill 109
S.M. 39

398+50

Exc. 0
Emb. 403

Cut 0
Fill 167
S.M. 40

398+00

Exc. 0
Emb. 507

Cut 0
Fill 268
S.M. 41

397+50

Exc. 0
Emb. 526

Cut 0
Fill 279
S.M. 41

397+00

Cut 0
Fill 285
S.M. 41

396+50

Exc. ~~467~~ 695
Emb. 159

Cut ~~254~~ 382
Fill 86
S.M. 40

405+50

Exc. ~~457~~ 687
Emb. 159

Cut ~~240~~ 360
Fill 86
S.M. 40

405+00

Exc. ~~378~~ 607
Emb. 162

Cut ~~168~~ 296
Fill 89
S.M. 40

404+50

Exc. ~~225~~ 529
Emb. 162

Cut ~~140~~ 275
Fill 86
S.M. 40

404+00

Exc. ~~426~~ 556
Emb. 159

Cut ~~320~~ 525
Fill 86
S.M. 40

403+50

Exc. ~~925~~ 941
Emb. 159

Cut ~~675~~ 691
Fill 86
S.M. 40

403+00

Exc. ~~1310~~ 1332
Emb. 159

Cut ~~736~~ 747
Fill 86
S.M. 40

402+50

Exc. ~~1232~~ 1332
Emb. 159

Cut ~~670~~ 715
Fill 86
S.M. 40

402+00

Exc. ~~1235~~ 1310
Emb. 159

Cut ~~660~~ 724
Fill 86
S.M. 40

401+50

Cut ~~674~~ 700
Fill 86
S.M. 40

401+00

Exc. ~~77~~ 22
Emb. 206

410+50

Exc. ~~156~~ 194
Emb. 174

Cut ~~47~~ 59
Fill 101
S.M. 41

410+00

Exc. ~~308~~ 405
Emb. 160

Cut ~~121~~ 151
Fill 87
S.M. 40

409+50

Exc. ~~549~~ 706
Emb. 159

Cut ~~212~~ 286
Fill 86
S.M. 40

409+00

Exc. ~~825~~ 999
Emb. 159

Cut ~~381~~ 476
Fill 86
S.M. 40

408+50

Exc. ~~953~~ 1054
Emb. 159

Cut ~~510~~ 603
Fill 86
S.M. 40

408+00

Exc. ~~965~~ 995
Emb. 159

Cut ~~519~~ 535
Fill 86
S.M. 40

407+50

Exc. ~~945~~ 974
Emb. 159

Cut ~~523~~ 540
Fill 86
S.M. 40

407+00

Exc. ~~765~~ 860
Emb. 159

Cut ~~501~~ 512
Fill 86
S.M. 40

406+50

Exc ~~532~~ 736
Emb 159

Cut ~~325~~ 426
Fill 86
S.M. 40

406+00

Cut ~~250~~ 369
Fill 86
S.M. 40

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	MISCEL. TEXT	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(6)	1967	36	47

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED A.K. — PLOTTED K.C. — TEMPLATE — AREAS A.A. — AREAS CHECKED — BY — DATE

Exc. ~~159~~ 179
Emb. 167
2300.13
415 +50
Cut ~~105~~ 113
Fill 90
S.M. 38

Exc. ~~169~~ 197
Emb. 145
2300.99
415 +00
Cut ~~77~~ 100
Fill 67
S.M. 38

Exc. ~~89~~ 116
Emb. 196
2301.76
414 +50
Cut 25
Fill 80
S.M. 39

Exc. 5
Emb. 220
2302.58
414 +00
Cut 0
Fill 158
S.M. 39

Exc. 0
Emb. 300
2303.41
413 +50
Cut 0
Fill 166
S.M. 39

Exc. 0
Emb. 295
2304.23
413 +00
Cut 0
Fill 153
S.M. 39

Exc. 0
Emb. 268
2305.06
412 +50
Cut 0
Fill 136
S.M. 39

Exc. 0
Emb. 246
2305.88
412 +00
Cut 0
Fill 130
S.M. 38

Exc. 0
Emb. 282
2306.71
411 +50
Cut 0
Fill 175
S.M. 39

Exc. 0
Emb. 275
2307.53
411 +00
Cut 0
Fill 122
S.M. 39

Exc. 2
Emb. 315
2298.70
420 +50
Cut 0
Fill 235
S.M. 41

Exc. 0
Emb. 511
2294.20
420 +00
Cut 0
Fill 317
S.M. 41

Exc. 0
Emb. 611
2294.74
419 +50
Cut 0
Fill 343
S.M. 41

Exc. 0
Emb. 685
2295.30
419 +00
Cut 0
Fill 397
S.M. 41

Exc. 0
Emb. 692
2295.91
418 +50
Cut 0
Fill 350
S.M. 41

Exc. 0
Emb. 619
2296.59
418 +00
Cut 0
Fill 318
S.M. 41

Exc. 0
Emb. 561
2297.19
417 +50
Cut 0
Fill 288
S.M. 40

Exc. 48
Emb. 394
2297.87
417 +00
Cut ~~19~~ 44
Fill 197
S.M. 39

Exc. ~~43~~ 99
Emb. 237
2298.60
416 +50
Cut ~~27~~ 63
Fill 119
S.M. 38

Exc. ~~87~~ 132
Emb. 194
2299.34
416 +00
Cut ~~67~~ 80
Fill 90
S.M. 40

Exc. ~~505~~ 586
Emb. 159
2289.54
425 +00
Cut ~~270~~ 318
Fill 86
S.M. 40

Exc. ~~509~~ 570
Emb. 159
2290.00
424 +50
Cut ~~273~~ 307
Fill 86
S.M. 40

Exc. ~~475~~ 500
Emb. 159
2290.46
424 +00
Cut ~~298~~ 330
Fill 86
S.M. 40

Exc. ~~442~~ 640
Emb. 159
2290.92
423 +50
Cut ~~230~~ 361
Fill 86
S.M. 40

Exc. ~~497~~ 621
Emb. 159
2291.38
423 +00
Cut ~~226~~ 310
Fill 86
S.M. 40

Exc. ~~348~~ 483
Emb. 159
2291.84
422 +50
Cut ~~150~~ 212
Fill 86
S.M. 40

Exc. ~~209~~ 300
Emb. 160
2292.30
422 +00
Cut ~~76~~ 112
Fill 87
S.M. 40

Exc. ~~128~~ 161
Emb. 160
2292.76
421 +50
Cut 62
Fill 86
S.M. 40

Exc. 69
Emb. 177
2293.22
421 +00
Cut 12
Fill 105
S.M. 39

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	MISCAL. YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(8)	1967	37	47

FINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — AREAS — NOTE BOOK — NO. — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — SURVEYED P.A.C. — PLOTTED K.O. — TEMPLATE K.O. — AREAS K.A. — NOTE BOOK — NO. — AREAS CHECKED — BY — DATE

Exc. ~~689~~ 809
Emb. 157
2284.94
430+00
Cut ~~909~~ 478
Fill 86
S.M. 40

Exc. ~~667~~ 802
Emb. 159
2285.40
429+50
Cut ~~327~~ 388
Fill 86
S.M. 40

Exc. ~~632~~ 771
Emb. 159
2285.86
429+00
Cut ~~355~~ 445
Fill 86
S.M. 40

Exc. ~~574~~ 744
Emb. 159
2286.32
428+50
Cut ~~265~~ 359
Fill 86
S.M. 40

Exc. ~~522~~ 660
Emb. 159
2286.78
428+00
Cut ~~299~~ 354
Fill 86
S.M. 40

Exc. ~~547~~ 671
Emb. 159
2287.24
427+50
Cut ~~292~~ 371
Fill 86
S.M. 40

Exc. ~~521~~ 662
Emb. 159
2287.70
427+00
Cut ~~271~~ 344
Fill 86
S.M. 40

Exc. ~~477~~ 633
Emb. 159
2288.16
426+50
Cut ~~247~~ 340
Fill 86
S.M. 40

Exc. ~~459~~ 617
Emb. 159
2288.62
426+00
Cut ~~252~~ 326
Fill 86
S.M. 40

Exc. ~~488~~ 594
Emb. 159
2289.08
425+50
Cut ~~275~~ 315
Fill 86
S.M. 40

Exc. 11
Emb. 409
2281.55
433+50
Cut 23
Fill 192
S.M. 47

Exc. 38
Emb. 321
2282.10
433+00
Cut 18
Fill 155
S.M. 38

Exc. 21
Emb. 79
2282.26
432+85
Cut 59
Fill 128
S.M. 37

Exc. 16
Emb. 50
2282.87
432+75
Cut 30
Fill 144
S.M. 39

Exc. 38
Emb. 153
2282.62
432+50
Cut 52
Fill 187
S.M. 37

Exc. ~~108~~ 108
Emb. 212
2282.96
432+15
Cut ~~107~~ 114
Fill 140
S.M. 38

Exc. ~~107~~ 136
Emb. 62
2283.10
432+00
Cut ~~279~~ 375
Fill 84
S.M. 40

Exc. ~~507~~ 663
Emb. 156
2283.54
431+50
Cut ~~269~~ 341
Fill 84
S.M. 40

Exc. ~~619~~ 717
Emb. 156
2284.02
431+00
Cut ~~400~~ 435
Fill 84
S.M. 40

Exc. ~~690~~ 768
Emb. 156
2284.43
430+50
Cut ~~345~~ 396
Fill 84
S.M. 40

Exc. 1
Emb. 406
2273.87
438+50
Cut 0
Fill 254
S.M. 41

Exc. 0
Emb. 466
2274.31
438+00
Cut 0
Fill 249
S.M. 41

Exc. 0
Emb. 529
2274.71
437+50
Cut 0
Fill 316
S.M. 41

Exc. 0
Emb. 619
2276.59
437+00
Cut 0
Fill 352
S.M. 41

Exc. 0
Emb. 619
2277.40
436+50
Cut 0
Fill 317
S.M. 41

Exc. 0
Emb. 597
2278.19
436+00
Cut 0
Fill 328
S.M. 41

Exc. 0
Emb. 644
2278.74
435+50
Cut 0
Fill 368
S.M. 41

Exc. 0
Emb. 660
2279.65
435+00
Cut 0
Fill 345
S.M. 41

Exc. 0
Emb. 599
2280.32
434+50
Cut 0
Fill 302
S.M. 41

Exc. 0
Emb. 505
2280.93
434+00
Cut 0
Fill 243
S.M. 40

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(6)	1967	38	47

FINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, AREAS, AREAS CHECKED

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, AREAS, AREAS CHECKED

Exc. ~~1470~~ 1496
Emb. 159
22656
22652.34
443+50
Cut ~~767~~ 780
Fill 86
S.M. 40

Exc. ~~1399~~ 1440
Emb. 159
22655
22653.66
443+00
Cut ~~744~~ 775
Fill 86
S.M. 40

Exc. ~~1251~~ 1278
Emb. 159
22651
22654.93
442+50
Cut ~~585~~ 605
Fill 86
S.M. 40

Exc. ~~995~~ 1036
Emb. 159
22653
22656.20
442+00
Cut ~~490~~ 514
Fill 86
S.M. 40

Exc. ~~880~~ 956
Emb. 159
22655
22657.41
441+50
Cut ~~460~~ 518
Fill 86
S.M. 40

Exc. ~~756~~ 850
Emb. 159
22656
22658.58
441+00
Cut ~~956~~ 410
Fill 86
S.M. 40

Exc. ~~586~~ 695
Emb. 159
22655
22660.72
440+50
Cut ~~274~~ 341
Fill 86
S.M. 40

Exc. ~~357~~ 494
Emb. 159
22650
22670.81
440+00
Cut ~~108~~ 192
Fill 86
S.M. 40

Exc ~~131~~ 209
Emb. 181
22652
22671.87
439+50
Cut 94
Fill 110
S.M. 38

Exc. ~~346~~
Emb. 272
22651
22672.89
439+00
Cut ~~3~~ 0
Fill 184
S.M. 40

30
1631
~~1621~~ Exc.
159 Emb.
22656
22655.96
438+50
Cut ~~905~~ 896
Fill 86
S.M. 40

75
1624
~~1589~~ Exc.
159 Emb.
22652
22648.67
438+00
32
Cut ~~846~~ 865
Fill 86
S.M. 40

59
1673
~~1639~~ Exc.
159 Emb.
22655
22650.34
437+50
49
Cut ~~870~~ 889
Fill 86
S.M. 40

24
1801
~~1765~~ Exc.
159 Emb.
22654
22651.97
437+00
15
Cut ~~900~~ 918
Fill 86
S.M. 40

23
1882
~~1843~~ Exc.
159 Emb.
22651
22653.57
436+50
11
Cut ~~1006~~ 1027
Fill 86
S.M. 40

42
1849
~~1814~~ Exc.
159 Emb.
22656
22655.13
436+00
14
Cut ~~984~~ 1005
Fill 86
S.M. 40

29
1807
~~1776~~ Exc.
159 Emb.
22657
22656.65
435+50
31
Cut ~~975~~ 992
Fill 86
S.M. 40

1812
~~1781~~ Exc.
159 Emb.
22651
22658.13
435+00
Cut ~~943~~ 960
Fill 86
S.M. 40

1697
~~1667~~ Exc.
159 Emb.
22653
22659.57
434+50
Cut ~~980~~ 997
Fill 86
S.M. 40

22660.97
434+00
Cut ~~820~~ 836
Fill 86
S.M. 40

Exc. 0
Emb. 1125
22656
22225.90
434+00
Cut 0
Fill 657
S.M. 53

Exc. 0
Emb. 1213
22651
22227.90
433+50
Cut 0
Fill 653
S.M. 47

Exc. 0
Emb. 964
22654
22229.90
433+00
Cut 0
Fill 388
S.M. 47

Exc. 0
Emb. 679
22652
22231.90
432+50
Cut 0
Fill 345
S.M. 45

Exc. 0
Emb. 521
22651
22233.90
432+00
Cut 0
Fill 218
S.M. 39

Exc. ~~57~~ 63
Emb. 292
22655
22235.88
431+50
Cut ~~124~~ 136
Fill 97
S.M. 40

Exc. ~~367~~ 413
Emb. 173
22656
22237.82
431+00
Cut ~~272~~ 310
Fill 90
S.M. 40

Exc. ~~666~~ 781
Emb. 165
22654
22239.73
1120
~~995~~ Exc.
161 Emb.
22653
22241.59
430+50
Cut ~~447~~ 533
Fill 88
S.M. 40

Exc. ~~1295~~ 1385
Emb. 159
22655
22243.42
430+00
Cut ~~628~~ 677
Fill 86
S.M. 40

Exc. ~~1546~~ 1547
Emb. 159
22650
22245.21
429+50
Cut ~~814~~ 819
Fill 86
S.M. 40

Exc. ~~1631~~ 1610
Emb. 159
22657
22247.00
429+00
Cut ~~856~~ 852
Fill 86
S.M. 40

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(5)	1967	39	47

FINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, AREAS, AREAS CHECKED

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, AREAS, AREAS CHECKED

A.E.S. 10-4-A.

Exc. 0
Emb. 718
2208.38
459+50
Cut 0
Fill 376
S.M. 52

Exc. 0
Emb. 621
2209.53
459+00
Cut 0
Fill 295
S.M. 52

Exc. 0
Emb. 609
2210.77
458+50
Cut 0
Fill 363
S.M. 52

Exc. 0
Emb. 630
2212.09
458+00
Cut 0
Fill 317
S.M. 52

Exc. 0
Emb. 514
2213.37
457+50
Cut 9
Fill 238
S.M. 53

Exc. 66
Emb. 448
2215.02
457+00
Cut 68
Fill 246
S.M. 53

Exc. 19
Emb. 545
2216.62
456+50
Cut 0
Fill 343
S.M. 51

Exc. 0
Emb. 738
2218.30
456+00
Cut 0
Fill 454
S.M. 52

Exc. 0
Emb. 921
2220.08
455+50
Cut 0
Fill 541
S.M. 53

Exc. 0
Emb. 1028
2221.94
455+00
Cut 0
Fill 569
S.M. 53

Exc. 0
Emb. 1043
2223.90
454+50
Cut 0
Fill 558
S.M. 53

Exc. ~~299~~ 406
Emb. 159
2198.95
464+50
Cut ~~179~~ 176
Fill 86
S.M. 40

Exc. ~~255~~ 257
Emb. 163
2199.88
464+00
Cut 102
Fill 90
S.M. 41

Exc. 133
Emb. 204
2200.80
463+50
Cut 42
Fill 130
S.M. 40

Exc. 63
Emb. 276
2201.73
463+00
Cut 26
Fill 168
S.M. 47

Exc. 12
Emb. 334
2202.65
462+50
Cut 0
Fill 199
S.M. 46

Exc. 0
Emb. 422
2203.58
462+00
Cut 0
Fill 263
S.M. 47

Exc. 0
Emb. 512
2204.50
461+50
Cut 0
Fill 290
S.M. 48

Exc. 0
Emb. 548
2205.43
461+00
Cut 0
Fill 302
S.M. 48

Exc. 0
Emb. 594
2206.35
460+50
Cut 0
Fill 399
S.M. 48

Exc. 0
Emb. 684
2207.32
460+00
Cut 0
Fill 400
S.M. 52

Exc. ~~718~~ 730
Emb. 159
2189.70
469+50
30
Cut ~~320~~ 328
Fill 86
S.M. 40

Exc. ~~580~~ 592
Emb. 159
2190.63
469+00
25
Cut ~~306~~ 311
Fill 86
S.M. 40

Exc. ~~528~~ 534
Emb. 159
2191.55
468+50
22
Cut ~~264~~ 266
Fill 86
S.M. 40

Exc. ~~647~~ 650
Emb. 159
2192.48
468+00
Cut ~~435~~ 436
Fill 86
S.M. 40
24
Cut ~~496~~ 506
Fill 86
S.M. 40

Exc. ~~862~~ 872
Emb. 159
2193.40
467+50
Exc. ~~840~~ 859
Emb. 159
2194.33
467+00
Cut ~~411~~ 422
Fill 86
S.M. 40

Exc. ~~762~~ 781
Emb. 159
2195.25
466+50
176
Cut ~~412~~ 421
Fill 86
S.M. 40

Exc. ~~675~~ 688
Emb. 159
2196.18
466+00
13
Cut ~~315~~ 322
Fill 86
S.M. 40

Exc. ~~526~~ 540
Emb. 159
2197.10
465+50
40
Cut ~~255~~ 261
Fill 86
S.M. 40

Exc. ~~473~~ 484
Emb. 159
2198.03
465+00
55
Cut ~~255~~ 262
Fill 86
S.M. 40

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(6)	1967	40	47

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE — NOTE BOOK — NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE — NOTE BOOK — NO.

Exc. ~~112~~ 131
Emb. 647

2180.8 2181.98

472 +00

Cut ~~97~~ 104
Fill 524
S.M. 41

Exc. ~~214~~ 224
Emb. 190

2181.7 2181.84

473 +75

Cut ~~372~~ 379
Fill 86
S.M. 41

Exc. ~~332~~ 341
Emb. 80

2182.8 2182.30

473 +50

9
Cut ~~345~~ 358
Fill 86
S.M. 40

Exc. ~~699~~ 710
Emb. 159

2184.7 2183.25

473 +00

10
Cut ~~403~~ 409
Fill 86
S.M. 40

Exc. ~~714~~ 728
Emb. 159

2186.5 2184.15

472 +50

28
Cut ~~368~~ 377
Fill 86
S.M. 40

Exc. ~~741~~ 760
Emb. 159

2188.2 2185.08

472 +00

10
Cut ~~432~~ 444
Fill 86
S.M. 40

Exc. ~~822~~ 843
Emb. 159

2189.3 2186.00

471 +50

9
Cut ~~456~~ 466
Fill 86
S.M. 40

Exc. ~~856~~ 874
Emb 159

2190.3 2186.98

471 +00

15
Cut ~~468~~ 478
Fill 86
S.M. 40

Exc. ~~887~~ 910
Emb. 159

2191.2 2187.83

470 +50

Cut ~~490~~ 505
Fill 86
S.M. 40

Exc. ~~875~~ 894
Emb 159

2193.0 2188.78

470 +00

20
Cut ~~455~~ 460
Fill 86
S.M. 40

Exc. 0
Emb. 755

2173.65 2164.9

478 +50

Cut 0
Fill 432
S.M. 41

Exc. 0
Emb. 824

2173.98 2165.8

478 +00

Cut 0
Fill 458
S.M. 41

Exc. 0
Emb. 883

2176.90 2167.0

477 +50

Cut 0
Fill 496
S.M. 41

Exc. 0
Emb. 878

2175.89 2168.9

477 +00

Cut 0
Fill 452
S.M. 41

Exc. 0
Emb. 738

2176.85 2170.2

476 +50

Cut 0
Fill 345
S.M. 41

Exc. 0
Emb. 629

2177.68 2172.1

476 +00

Cut 0
Fill 334
S.M. 41

Exc. 0
Emb. 604

2178.60 2174.1

475 +50

Cut 0
Fill 318
S.M. 41

Exc. 0
Emb. 336

2179.59 2176.3

475 +00

Cut 0
Fill 145
S.M. 41

Exc. 55
Emb. 117

2179.99 2177.5

474 +75

Cut 149
Fill 108
S.M. 41

Exc. ~~83~~ 86
Emb. 224

2180.45 2178.5

474 +50

Cut ~~30~~ 37
Fill 375
S.M. 41

Exc. 0
Emb. 431

2163.91 2159.4

483 +50

Cut 0
Fill 182
S.M. 40

Exc. 7
Emb. 311

2164.76 2160.3

483 +00

Cut 15
Fill 154
S.M. 39

Exc. 17
Emb. 287

2163.65 2160.9

482 +50

Cut 9
Fill 156
S.M. 39

Exc. 1
Emb. 339

2166.58 2161.4

482 +00

Cut 0
Fill 210
S.M. 39

Exc. 0
Emb. 421

2167.50 2162.0

481 +50

Cut 0
Fill 245
S.M. 39

Exc. 0
Emb. 416

2168.34 2162.4

481 +00

Cut 0
Fill 204
S.M. 39

Exc. 0
Emb. 416

2160.55 2162.8

480 +50

Cut 0
Fill 245
S.M. 40

Exc. 0
Emb. 510

2170.28 2163.2

480 +00

Cut 0
Fill 306
S.M. 41

Exc. 0
Emb. 631

2171.20 2163.6

479 +50

Cut 0
Fill 375
S.M. 41

Exc. 0
Emb. 702

2172.13 2164.2

479 +00

Cut 0
Fill 383
S.M. 41

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
8 WASH	GWV	F-011-2(9)	1967	41	47

FINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO.

ORIGINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO.

Exc. 0
Emb. 050

488+50

Cut 0
Fill 531
S.M. 51

Exc. 0
Emb. 841

488+00

Cut 0
Fill 377
S.M. 47

Exc. 0
Emb. 693

487+50

Cut 0
Fill 371
S.M. 45

Exc. 0
Emb. 564

487+00

Cut 0
Fill 238
S.M. 39

Exc. 12
Emb. 445

486+50

Cut 25
Fill 243
S.M. 39

Exc. 12
Emb. 474

486+00

Cut 0
Fill 269
S.M. 39

Exc. 30
Emb. 417

485+50

Cut 65
Fill 181
S.M. 40

Exc. 30
Emb. 370

485+00

Cut 0
Fill 219
S.M. 39

Exc. 0
Emb. 404

484+50

Cut 0
Fill 217
S.M. 40

Exc. 0
Emb. 463

484+00

Cut 0
Fill 283
S.M. 41

Exc. ~~346~~ 326
Emb. 192

493+00

Cut ~~120~~ 111
Fill 109
S.M. 39

Exc. ~~78~~ 72
Emb. 241

492+50

Cut 0
Fill 151
S.M. 40

Exc. 0
Emb. 329

492+00

Cut 0
Fill 204
S.M. 41

Exc. 0
Emb. 453

491+50

Cut 0
Fill 285
S.M. 41

Exc. 0
Emb. 582

491+00

Cut 0
Fill 344
S.M. 43

Exc. 0
Emb. 680

490+50

Cut 0
Fill 390
S.M. 47

Exc. 0
Emb. 754

490+00

Cut 0
Fill 424
S.M. 51

Exc. 0
Emb. 811

489+50

Cut 0
Fill 452
S.M. 51

Exc. 0
Emb. 877

489+00

Cut 0
Fill 495
S.M. 51

Exc. ~~1156~~ 1158
Emb. 159

497+50

Cut ~~624~~ 613
Fill 86
S.M. 40

Exc. ~~1172~~ 1178
Emb. 159

497+00

Cut ~~639~~ 659
Fill 86
S.M. 40

Exc. ~~1179~~ 1240
Emb. 159

496+50

Cut ~~634~~ 641
Fill 86
S.M. 40

Exc. ~~921~~ 930
Emb. 159

496+00

Cut ~~361~~ 373
Fill 86
S.M. 40

994
~~997~~ Exc.
159 Emb.

495+50

Cut ~~716~~ 700
Fill 86
S.M. 40

Exc. ~~1150~~ 1121
Emb. 159

495+00

Cut ~~526~~ 511
Fill 86
S.M. 40

Exc. ~~847~~ 849
Emb. 159

494+50

Cut ~~389~~ 406
Fill 86
S.M. 40

Exc. ~~604~~ 615
Emb. 165

494+00

Cut ~~269~~ 258
Fill 92
S.M. 40

Exc. ~~470~~ 462
Emb. 176

493+50

Cut ~~254~~ 241
Fill 98
S.M. 38

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(6)	1967	42	47

FINAL SURVEY — SURVEYED — PLOTTED — TYPING — NOTE BOOK — NO. — DATE — BY — AREAS — AREAS CHECKED

ORIGINAL SURVEY — SURVEYED — PLOTTED — TYPING — NOTE BOOK — NO. — DATE — BY — AREAS — AREAS CHECKED

Exc. ~~147~~ 149
Emb. 180



Cut ~~82~~ 96
Fill 105
S.M. 40

Exc. ~~88~~ 89
Emb. 243

Cut ~~13~~ 0
Fill 157
S.M. 39

Exc. ~~25~~ 0
Emb. 293

Cut ~~140~~ 0
Fill 159
S.M. 39

Exc. ~~49~~ 12
Emb 243

Cut ~~91~~ 13
Fill 109
S.M. 39

Exc. ~~61~~ 24
Emb. 242

Cut ~~85~~ 13
Fill 158
S.M. 39

Exc. ~~227~~ 207
Emb. 230

Cut 210
Fill 90
S.M. 40

Exc. ~~525~~ 532
Emb. 163

Cut ~~357~~ 365
Fill 86
S.M. 40

Exc. ~~685~~ 701
Emb. 159

Cut ~~383~~ 392
Fill 86
S.M. 40

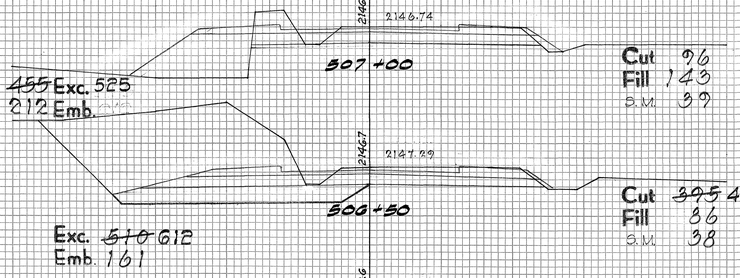
Exc. ~~697~~ 718
Emb. 159

Cut ~~370~~ 383
Fill 86
S.M. 40

Exc. ~~918~~ 945
Emb. 159

Cut ~~621~~ 638
Fill 86
S.M. 40

Exc. 62
Emb. 104



Cut 96
Fill 143
S.M. 39

~~455~~ Exc. 525
212 Emb.

Cut ~~395~~ 471
Fill 86
S.M. 38

Exc. ~~510~~ 612
Emb. 161

Cut ~~150~~ 190
Fill 88
S.M. 38

Exc. ~~342~~ 428
Emb. 161

Cut ~~215~~ 272
Fill 86
S.M. 38

Exc. ~~408~~ 487
Emb. 159

Cut ~~228~~ 254
Fill 86
S.M. 38

Exc. ~~421~~ 445
Emb 159

Cut 227
Fill 86
S.M. 38

Exc. 422
Emb. 160

Cut 229
Fill 87
S.M. 38

Exc. 496
Emb. 161

Cut 242
Fill 87
S.M. 38

Exc. 207
Emb. 97

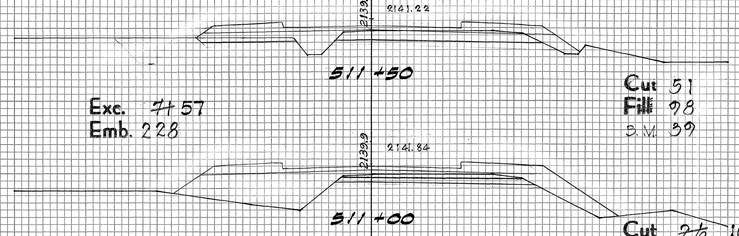
Cut 191
Fill 88
S.M. 38

Exc. ~~77~~ 73
Emb 66

Cut ~~77~~ 65
Fill 89
S.M. 39

23

Exc. 93
Emb. 189



Cut 51
Fill 98
S.M. 39

Exc. ~~71~~ 57
Emb. 228

Cut ~~25~~ 10
Fill 148
S.M. 39

Exc. ~~63~~ 20
Emb. 241

Cut ~~42~~ 12
Fill 112
S.M. 38

Exc. ~~108~~ 128
Emb. 194

Cut ~~75~~ 126
Fill 98
S.M. 37

Exc. ~~212~~ 270
Emb. 179

Cut ~~154~~ 166
Fill 89
S.M. 38

Exc. ~~333~~ 422
Emb 161

Cut ~~260~~ 290
Fill 85
S.M. 38

Exc. ~~510~~ 578
Emb. 183

Cut ~~300~~ 334
Fill 115
S.M. 38

Exc. ~~416~~ 447
Emb. 187

Cut 149
Fill 87
S.M. 40

Exc. 197
Emb. 326

Cut 64
Fill 265
S.M. 44

Exc. 76
Emb. 225

Cut 72
Fill 139
S.M. 43

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(9)	1967	43	47

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

7
Exc. 23
Emb. 766

17
Exc. ~~61~~ 178
Emb. 265

12
Exc. ~~236~~ 207
Emb. 194

19
Exc. ~~257~~ 252
Emb. 169

26
Exc. 306
Emb. 164

75
Exc. 326
Emb. 161

92
Exc. 331
Emb 158

35
Exc. 366
Emb. 157

11
Exc. 246
Emb. 172

34
Exc. 93
Emb. 192

2135.05 2131.1
516+50
2135.66 2132.5
516+00
2136.28 2134.3
515+50
2136.90 2135.7
515+00
2137.52 2136.8
514+50
2138.13 2137.7
514+00
2138.75 2138.2
513+50
2139.37 2138.5
513+00
2139.99 2138.6
512+50
2140.60 2139.2
512+00

Cut 69 [18]
Fill 170
S.M. 46

Cut ~~132~~ 129
Fill 116
S.M. 38

Cut ~~123~~ 95 [13]
Fill 93
S.M. 38

Cut 155 [8]
Fill 89
S.M. 38

Cut 175 [20]
Fill 88
S.M. 38

Cut 177 [61]
Fill 86
S.M. 38

Cut 180 [38]
Fill 85
S.M. 38

Cut 215
Fill 85
S.M. 38

Cut 51 [12]
Fill 101
S.M. 38

Cut 49 [25]
Fill 106
S.M. 39

Exc. 0
Emb. 549

Exc. 0
Emb. 500

Exc. 0
Emb. 509

Exc. 0
Emb. 552

Exc. 0
Emb. 616

Exc. 0
Emb. 629

Exc. 0
Emb. 644

Exc. 0
Emb. 968

Exc. 0
Emb. 1106

Exc. 0
Emb. 773

2129.80 2123.0
521+50
2130.22 2123.5
521+00
2130.67 2124.0
520+50
2131.13 2124.6
520+00
2131.63 2124.9
519+50
2132.14 2125.6
519+00
2132.68 2126.0
518+50
2133.24 2127.0
518+00
2133.82 2128.3
517+50
2134.31 2129.1
517+10

Cut 0
Fill 278
S.M. 43

Cut 0
Fill 262
S.M. 43

Cut 0
Fill 288
S.M. 44

Cut 0
Fill 308
S.M. 44

Cut 0
Fill 357
S.M. 44

Cut 0
Fill 322
S.M. 44

Cut 0
Fill 374
S.M. 48

Cut 0
Fill 671
S.M. 40

Cut 0
Fill 524
S.M. 40

Cut 0
Fill 519
S.M. 40

Exc. 0
Emb. 612

Exc. 0
Emb. 561

Exc. 0
Emb. 650

Exc. 0
Emb. 782

Exc. 0
Emb. 865

Exc. 0
Emb 868

Exc. 0
Emb. 977

Exc. 0
Emb. 925

Exc. 0
Emb. 770

Exc. 0
Emb. 669

2126.74 2120.8
526+50
2126.99 2120.8
526+00
2127.24 2120.8
525+50
2127.49 2120.8
525+00
2127.73 2120.8
524+50
2128.04 2121.0
524+00
2128.34 2121.0
523+50
2128.67 2121.2
523+00
2129.03 2121.7
522+50
2129.40 2122.3
522+00

Cut 0
Fill 270
S.M. 44

Cut 0
Fill 396
S.M. 44

Cut 0
Fill 366
S.M. 44

Cut 0
Fill 473
S.M. 44

Cut 0
Fill 456
S.M. 44

Cut 0
Fill 481
S.M. 44

Cut 0
Fill 574
S.M. 44

Cut 0
Fill 425
S.M. 44

Cut 0
Fill 407
S.M. 44

Cut 0
Fill 315
S.M. 44

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(6)	1967	44	47

FINAL SURVEY — DATE / BY — SURVEYED — PLOTTED — PLANIMETER AREAS — AREAS CHECKED — NOTE BOOK — NO.

ORIGINAL SURVEY — DATE / BY — SURVEYED — PLOTTED — PLANIMETER AREAS — AREAS CHECKED — NOTE BOOK — NO.

Exc. 9
Emb. 424
2124.24 2123.07
531 +50
Cut 0
Fill 260
S.M. 44

Exc. 0
Emb. 503
2124.49 2123.3
531 +00
Cut 0
Fill 283
S.M. 44

Exc. 0
Emb. 427
2124.74 2123.2
530 +50
Cut 0
Fill 178
S.M. 44

Exc. 8
Emb. 315
2124.99 2123.4
530 +00
Cut 9
Fill 162
S.M. 44

Exc. 4
Emb. 377
2125.24 2123.4
529 +50
Cut 0
Fill 245
S.M. 44

Exc. 0
Emb. 465
2125.49 2123.4
529 +00
Cut 0
Fill 257
S.M. 44

Exc. 0
Emb. 519
2125.74 2123.5
528 +50
Cut 0
Fill 303
S.M. 44

Exc. 0
Emb. 586
2125.99 2123.4
528 +00
Cut 0
Fill 390
S.M. 44

Exc. 0
Emb. 620
2126.24 2123.3
527 +50
Cut 0
Fill 340
S.M. 44

Exc. 0
Emb. 677
2126.49 2123.5
527 +00
Cut 0
Fill 391
S.M. 44

Exc. ~~1335~~ 1358
Emb. 159
2121.74 2125.6
536 +50
Cut ~~648~~ 657
Fill 86
S.M. 40

Exc. ~~1088~~ 1103
Emb. 159
2121.99 2125.1
536 +00
Cut ~~524~~ 534
Fill 86
S.M. 40

Exc. ~~918~~ 932
Emb. 159
2122.24 2124.8
535 +50
Cut ~~464~~ 472
Fill 86
S.M. 40

Exc. ~~904~~ 919
Emb. 159
2122.49 2124.6
535 +00
Cut ~~512~~ 520
Fill 86
S.M. 38

Exc. ~~977~~ 999
Emb. 159
2122.74 2124.1
534 +50
Cut ~~543~~ 559
Fill 86
S.M. 38

773
754 Exc.
159 Emb.
2122.99 2123.7
534 +00
Cut ~~271~~ 276
Fill 86
S.M. 38

Exc. ~~422~~ 427
Emb. 168
2123.24 2122.9
533 +50
Cut 185
Fill 95
S.M. 40

Exc. 276
Emb. 189
2123.49 2122.2
533 +00
Cut 113
Fill 109
S.M. 39

Exc. ~~135~~ 118
Emb. 215
2123.74 2121.7
532 +50
Cut ~~33~~ 14
Fill 123
S.M. 40

Exc. ~~48~~ 6
Emb. 297
2123.99 2121.2
532 +00
Cut ~~19~~ 0
Fill 198
S.M. 44

Exc. ~~602~~ 661
Emb. 159
2119.24 2121.7
541 +50
Cut ~~327~~ 360
Fill 86
S.M. 40

Exc. ~~612~~ 678
Emb. 159
2119.49 2122.5
541 +00
Cut ~~340~~ 372
Fill 86
S.M. 40

Exc. ~~706~~ 771
Emb. 159
2119.74 2123.1
540 +50
Cut ~~422~~ 461
Fill 86
S.M. 40

Exc. ~~771~~ 829
Emb. 159
2119.99 2123.6
540 +00
Cut ~~411~~ 434
Fill 86
S.M. 40

Exc. ~~771~~ 798
Emb 159
2120.24 2124.1
539 +50
Cut ~~422~~ 428
Fill 86
S.M. 40

Exc. ~~887~~ 937
Emb. 159
2120.49 2124.8
539 +00
Cut ~~536~~ 584
Fill 86
S.M. 40

Exc. ~~1193~~ 1216
Emb. 159
2120.74 2125.5
538 +50
Cut ~~688~~ 720
Fill 86
S.M. 40

Exc. ~~1312~~ 1364
Emb. 159
2120.99 2125.8
538 +00
Cut ~~727~~ 744
Fill 86
S.M. 40

Exc. ~~1458~~ 1489
Emb. 159
2121.24 2125.9
537 +50
Cut ~~846~~ 864
Fill 86
S.M. 40

Exc. ~~1519~~ 1550
Emb. 159
2121.49 2125.8
537 +00
Cut ~~794~~ 810
Fill 86
S.M. 40

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-031-2(9)	1967	45	47

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — ESTIMATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — ESTIMATE — AREAS — AREAS CHECKED — BY — DATE

Exc. ~~195~~ 205
Emb. 171

2116.74 — 2115.0

546+50

Cut ~~60~~ 177
Fill 91
S.M. 37

Exc. ~~149~~ 344
Emb. 169

2116.99 — 2115.8

546+00

Cut ~~101~~ 195
Fill 91
S.M. 37

Exc. ~~238~~ 424
Emb. 163

2117.24 — 2116.6

545+50

Cut ~~156~~ 263
Fill 85
S.M. 40

Exc. ~~331~~ 494
Emb. 158

2117.49 — 2117.3

545+00

Cut ~~208~~ 271
Fill 86
S.M. 40

Exc. ~~390~~ 490
Emb. 159

2117.74 — 2117.82

544+50

Cut ~~219~~ 258
Fill 86
S.M. 40

Exc. ~~457~~ 520
Emb. 159

2117.99 — 2118.3

544+00

Cut ~~275~~ 304
Fill 86
S.M. 40

Exc. ~~519~~ 565
Emb. 159

2118.24 — 2118.6

543+50

Cut ~~286~~ 306
Fill 86
S.M. 40

Exc. ~~586~~ 632
Emb. 159

2118.49 — 2120.1

543+00

Cut ~~347~~ 376
Fill 86
S.M. 40

Exc. ~~644~~ 655
Emb. 159

2118.74 — 2120.9

542+50

Cut ~~349~~ 331
Fill 86
S.M. 40

Exc. ~~628~~ 634
Emb. 159

2118.99 — 2121.3

542+00

Cut ~~329~~ 354
Fill 86
S.M. 40

Exc. ~~130~~ 140
Emb. 156

2119.39 — 2111.1

550+25

Cut ~~121~~ 90
Fill 204
S.M. 50

Exc. ~~67~~ 46
Emb. 530

2119.70 — 2111.2

550+00

Exc. ~~19~~ 0
Emb. 723

2119.94 — 2111.2

549+50

Cut ~~29~~ 0
Fill 940
S.M. 55

Exc. ~~12~~ 0
Emb. 906

2114.29 — 2111.6

549+00

Cut ~~11~~ 0
Fill 1013
S.M. 55

Exc. ~~22~~ 0
Emb. 946

2114.83 — 2111.8

548+50

Cut ~~11~~ 0
Fill 618
S.M. 55

Exc. ~~26~~ 0
Emb. 696

2115.32 — 2112.5

548+00

Cut ~~13~~ 0
Fill 404
S.M. 54

Exc. ~~124~~ 94
Emb. 410

2115.75 — 2113.1

547+50

Cut ~~15~~ 0
Fill 348
S.M. 50

Exc. ~~228~~ 259
Emb. 179

2116.19 — 2113.8

547+00

Cut ~~117~~ 102
Fill 95
S.M. 38

Exc. ~~197~~ 296
Emb. 178

2116.46 — 2114.5

546+50

Cut ~~127~~ 178
Fill 98
S.M. 38

Cut ~~86~~ 142
Fill 94
S.M. 37

Exc. 76 120
Emb. 64

2107.48 — 2103.2

553+50

Cut 148
Fill 87
S.M. 38

Exc. ~~217~~ 253
Emb. 96

2108.08 — 2103.7

553+00

Cut ~~243~~ 308
Fill 86
S.M. 38

Exc. ~~520~~ 587
Emb. 160

2109.04 — 2103.7

552+50

Cut ~~319~~ 326
Fill 87
S.M. 38

Exc. ~~585~~ 626
Emb. 161

2109.95 — 2103.6

552+00

Cut ~~313~~ 350
Fill 87
S.M. 38

Exc. ~~578~~ 625
Emb. 161

2110.81 — 2103.9

552+00

Cut ~~311~~ 325
Fill 87
S.M. 98

Exc. ~~569~~ 607
Emb. 161

2111.61 — 2104.1

551+50

Cut ~~303~~ 331
Fill 87
S.M. 40

Exc. ~~510~~ 573
Emb. 163

2112.36 — 2104.2

551+00

Cut ~~248~~ 288
Fill 89
S.M. 41

Exc. ~~394~~ 456
Emb. 206

2113.06 — 2104.8

550+50

Cut ~~177~~ 204
Fill 133
S.M. 40

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FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(5)	1967	46	47

FINAL SURVEY — SURVEYED, PLOTTED, SCALE, NOTE BOOK, JACKS, AREAS CHECKED, NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, SCALE, NOTE BOOK, JACKS, AREAS CHECKED, NO.

BY — DATE

R. S.
R. O.
R. A.

559+00 — 2054.05
Exc. ~~279~~ 381
Emb. 160
Cut 203
Fill 87
S.M. 38

559+00 — 2095.59
Exc. 353
Emb. 161
Cut 178
Fill 87
S.M. 38

558+50 — 2097.07
Exc. ~~209~~ 306
Emb. 162
Cut ~~138~~ 152
Fill 88
S.M. 38

558+00 — 2098.51
Exc. ~~240~~ 288
Emb. 163
Cut ~~121~~ 150
Fill 88
S.M. 38

557+50 — 2099.89
Exc. ~~259~~ 357
Emb. 162
Cut ~~159~~ 226
Fill 87
S.M. 38

557+00 — 2101.22
Exc. ~~306~~ 394
Emb. 161
Cut ~~172~~ 200
Fill 87
S.M. 38

556+50 — 2102.49
Exc. ~~338~~ 407
Emb. 160
Cut ~~193~~ 240
Fill 86
S.M. 38

556+00 — 2103.72
Exc. ~~305~~ 417
Emb. 163
Cut ~~136~~ 210
Fill 90
S.M. 38

555+50 — 2104.89
Exc. ~~223~~ 376
Emb. 163
Cut ~~105~~ 196
Fill 86
S.M. 37

555+00 — 2106.01
Exc. ~~183~~ 361
Emb. 159
Cut ~~93~~ 194
Fill 86
S.M. 37

554+50 — 2107.07
Exc. ~~138~~ 342
Emb. 160
Cut ~~56~~ 175
Fill 87
S.M. 37

554+00

563+50 — 2073.65
Exc. 0
Emb. 304
Cut 0
Fill 158
S.M. 39

563+00 — 2075.74
Exc. 0
Emb. 294
Cut 0
Fill 177
S.M. 41

562+50 — 2077.83
Exc. 0
Emb. 287
Cut 0
Fill 162
S.M. 40

562+00 — 2079.88
Exc. 0
Emb 265
Cut 0
Fill 142
S.M. 39

561+50 — 2081.81
Exc. 0
Emb 242
Cut 0
Fill 127
S.M. 38

561+00 — 2083.72
Exc. ~~17~~ 0
Emb. 226
Cut ~~18~~ 0
Fill 117
S.M. 37

560+50 — 2085.57
Exc. ~~74~~ 34
Emb 203
Cut ~~62~~ 73
Fill 102
S.M. 37

560+00 — 2087.37
Exc. ~~114~~ 169
Emb. 178
Cut ~~61~~ 109
Fill 90
S.M. 38

559+50 — 2089.12
Exc. ~~196~~ 260
Emb. 164
Cut ~~157~~ 181
Fill 87
S.M. 38

559+00 — 2090.82
Exc. ~~280~~ 332
Emb. 162
Cut ~~151~~ 177
Fill 88
S.M. 38

558+50 — 2092.46
Exc. ~~325~~ 357
Emb. 161
Cut ~~200~~ 208
Fill 86
S.M. 38

558+00

570+00 — 2046.58
Exc. ~~433~~ 441
Emb. 154
Cut ~~214~~ 218
Fill 83
S.M. 48

569+50 — 2049.57
Exc. ~~394~~ 402
Emb. 154
Cut ~~212~~ 216
Fill 83
S.M. 48

569+00 — 2052.22
Exc. ~~348~~ 357
Emb. 154
Cut ~~164~~ 170
Fill 83
S.M. 48

568+50 — 2054.81
Exc. ~~292~~ 297
Emb. 162
Cut 151
Fill 92
S.M. 43

568+00 — 2057.35
Exc. 228
Emb. 174
Cut 95
Fill 96
S.M. 43

567+50 — 2059.84
Exc. 139
Emb. 178
Cut 55
Fill 96
S.M. 37

567+00 — 2062.52
Exc. ~~69~~ 51
Emb. 190
Cut ~~19~~ 0
Fill 109
S.M. 37

566+50 — 2064.66
Exc. ~~30~~ 0
Emb. 208
Cut ~~13~~ 0
Fill 116
S.M. 37

566+00 — 2066.98
Exc. ~~7~~ 0
Emb. 232
Cut ~~4~~ 0
Fill 135
S.M. 37

565+50 — 2069.86
Exc. 0
Emb. 275
Cut 0
Fill 162
S.M. 37

565+00 — 2071.48
Exc. 0
Emb. 307
Cut 0
Fill 170
S.M. 37

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FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(6)	1967	47	47

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / NOTE BOOK / NO. / DATE / BY

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / NOTE BOOK / NO. / AREAS CHECKED — A.S. A.S. A.S.

2013.60
2011.1
Exc. ~~244~~ 248
Emb. 152
576 +00
Cut ~~122~~ 124
Fill 82
S.M. 46

2016.38
2013.8
Exc. ~~268~~ 271
Emb. 151
575 +50
Cut ~~142~~ 144
Fill 82
S.M. 46

2019.15
2016.8
Exc. ~~264~~ 269
Emb. 150
575 +00
Cut ~~147~~ 149
Fill 81
S.M. 46

2021.93
2019.5
Exc. ~~286~~ 291
Emb. 153
574 +50
Cut ~~138~~ 141
Fill 81
S.M. 46

2024.70
2022.5
Exc. ~~309~~ 313
Emb. 156
574 +00
Cut ~~171~~ 173
Fill 84
S.M. 48

2027.48
2025.8
Exc. ~~324~~ 329
Emb. 156
573 +50
Cut ~~163~~ 165
Fill 84
S.M. 48

2030.26
2028.6
Exc. ~~348~~ 354
Emb. 156
573 +00
Cut ~~187~~ 190
Fill 85
S.M. 48

2033.03
2031.7
Exc. ~~368~~ 373
Emb. 154
572 +50
Cut ~~189~~ 192
Fill 83
S.M. 48

2033.81
2036.1
Exc. ~~413~~ 418
Emb. 154
572 +00
Cut ~~208~~ 211
Fill 83
S.M. 48

2038.58
2038.1
Exc. ~~443~~ 449
Emb. 154
571 +50
Cut ~~227~~ 240
Fill 83
S.M. 48

2041.36
2041.5
Exc. ~~458~~ 466
Emb. 154
571 +00
Cut ~~241~~ 245
Fill 83
S.M. 48

2044.13
2045.0
Exc. ~~504~~ 510
Emb. 154
570 +50
Cut ~~254~~ 258
Fill 83
S.M. 48

1980.30
1978.3
Exc. 656
Emb. 159
582 +00
Cut 337
Fill 86
S.M. 40

1983.07
1984.9
Exc. 640
Emb. 159
581 +50
Cut 371
Fill 86
S.M. 40

1985.85
1987.2
Exc. 525
Emb. 158
581 +00
Cut 320
Fill 86
S.M. 48

1988.62
1990.7
Exc. 414
Emb. 156
580 +50
Cut 247
Fill 85
S.M. 48

1991.40
1992.4
Exc. 364
Emb. 156
580 +00
Cut 200
Fill 84
S.M. 48

1994.17
1994.7
Exc. ~~326~~ 329
Emb. 156
579 +50
Cut 193
Fill 84
S.M. 48

1996.95
1997.3
Exc. ~~250~~ 261
Emb. 154
579 +00
Cut 162
Fill 85
S.M. 48

1999.72
1999.9
Exc. ~~188~~ 191
Emb. 149
578 +50
Cut ~~118~~ 120
Fill 81
S.M. 46

2002.50
2002.7
Exc. ~~184~~ 187
Emb. 152
578 +00
Cut ~~85~~ 86
Fill 80
S.M. 46

2005.28
2005.8
Exc. ~~228~~ 232
Emb. 154
577 +50
Cut ~~114~~ 116
Fill 84
S.M. 46

2008.05
2008.2
Exc. ~~218~~ 221
Emb. 154
577 +00
Cut ~~132~~ 134
Fill 82
S.M. 46

2010.83
2008.6
Exc. ~~208~~ 212
Emb. 154
576 +50
Cut ~~103~~ 105
Fill 84
S.M. 46

1955.82
1955.9
Exc. ~~297~~ 64
Emb. ~~181~~ 43
586 +50
Cut ~~182~~ 0
Fill ~~102~~ 0
S.M. ~~40~~ 0

1958.09
1958.0
Exc. 230
Emb. 162
586 +00
Cut 139
Fill 93
S.M. 40

1960.87
1960.7
Exc. 231
Emb. 159
585 +50
Cut 109
Fill 82
S.M. 40

1963.64
1963.3
Exc. 281
Emb. 167
585 +00
Cut 141
Fill 90
S.M. 40

1966.42
1966.0
Exc. 335
Emb. 164
584 +50
Cut 162
Fill 90
S.M. 40

1969.19
1969.2
Exc. 406
Emb. 158
584 +00
Cut 200
Fill 87
S.M. 40

1971.97
1972.2
Exc. 542
Emb. 157
583 +50
Cut 238
Fill 84
S.M. 40

1974.75
1975.3
Exc. 641
Emb. 159
583 +00
Cut 347
Fill 86
S.M. 40

1977.52
1978.4
Exc. 631
Emb. 159
582 +50
Cut 345
Fill 86
S.M. 40

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