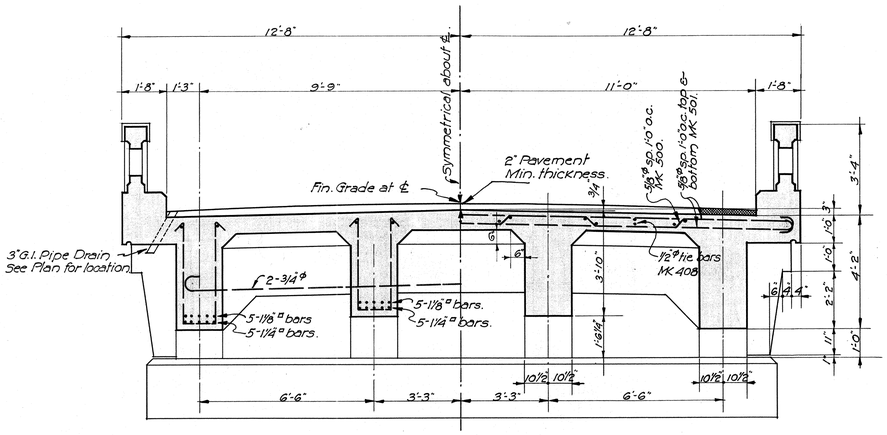
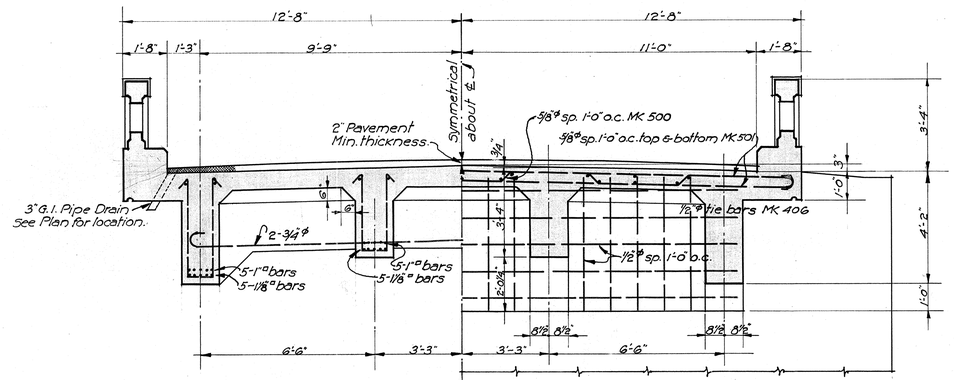
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14-A	1933	8	19



NORMAL SEC. THRU 50' GIRDER AT PIER #2.

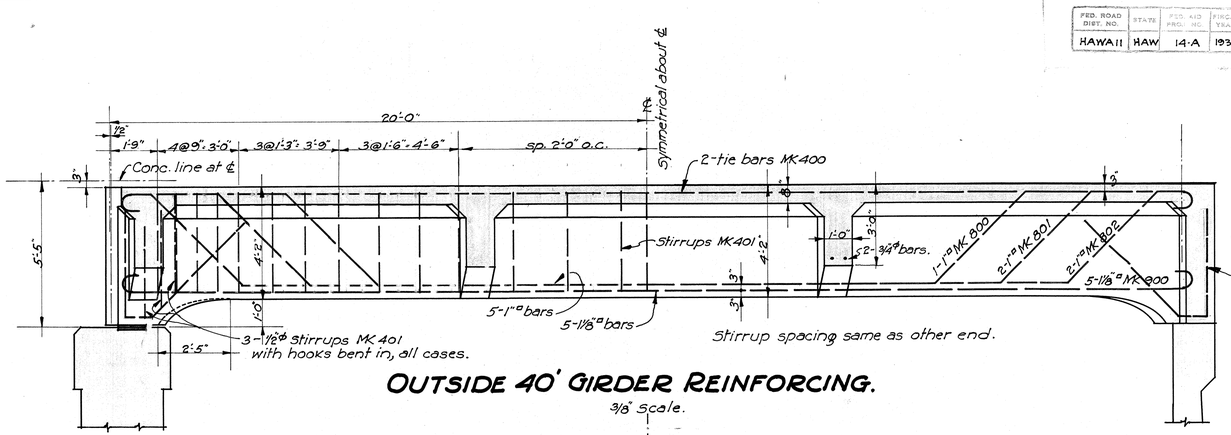
3/8" scale.



TOWARDS DIAPHRAM. TOWARDS ABUTMENT.

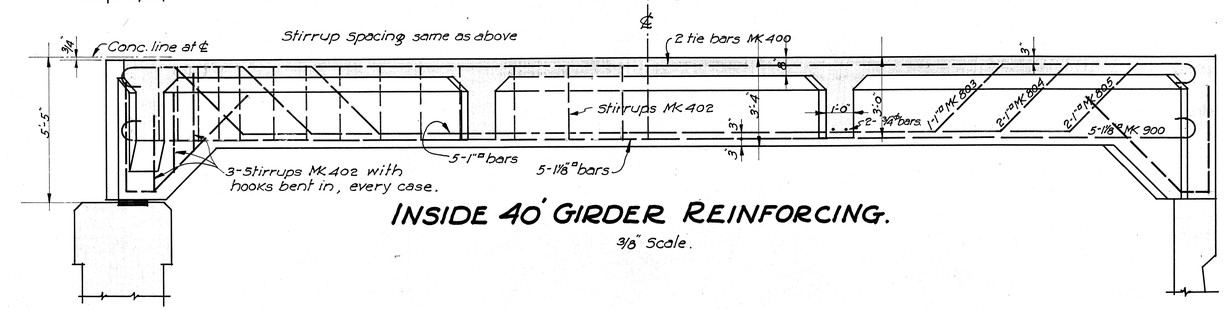
NORMAL SECTION THRU 40'GIRDER.

3/8" Scale.



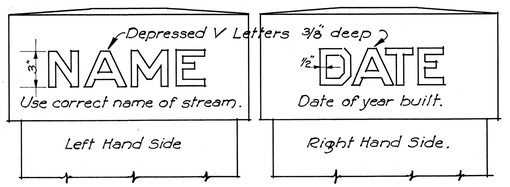
OUTSIDE 40' GIRDER REINFORCING.

3/8" Scale.

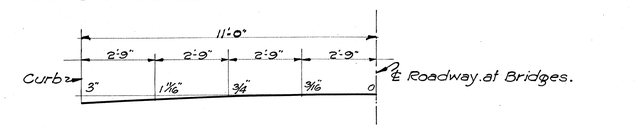


INSIDE 40' GIRDER REINFORCING.

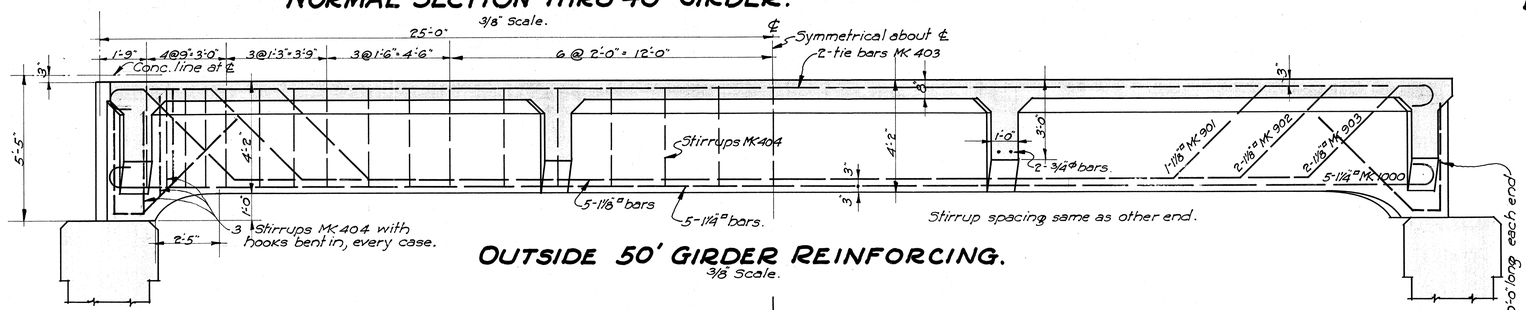
3/8" Scale.



DETAIL OF LETTERS. & FIGURES.

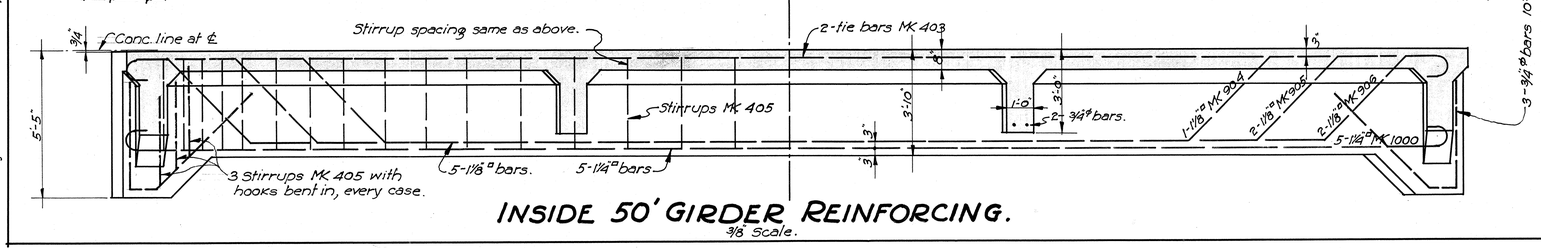


ORDINATES FOR TEMPLATE FOR CROWN OF ROADWAY SLAB.



OUTSIDE 50' GIRDER REINFORCING.

3/8 Scale.



INSIDE 50' GIRDER REINFORCING.

3/8" Scale.

Note – For normal section at bridges, top of concrete is a straight line from curb to ℄ and from ℄ to curb. Top of finished pavement however must conform with template as shown above, having a min. thickness of 2" at curb and ℄.

For full superelevated section at bridges top of concrete is a straight line from curb to curb, and top of finished pav't. is also a straight line having a minimum thickness of 2".

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

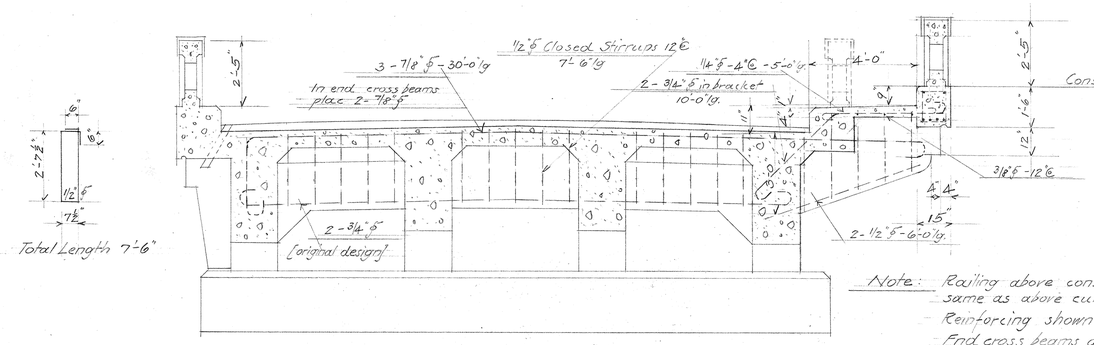
KAPEHU BRIDGE.

NO. 119 STA. 22+09.25 TO STA. 23+40.75
HAWAII BELT ROAD F.A.P. No. 14 A.
MARCH 1933 SHEET NO 2 OF 7 SHEETS.

Designed by ...J.A.Y.... Date ...3/34...
Drawn by ...C.M.....
Traced by .....
Quantities by ...J.A.Y.....
Checked by ...J.A.Y.....

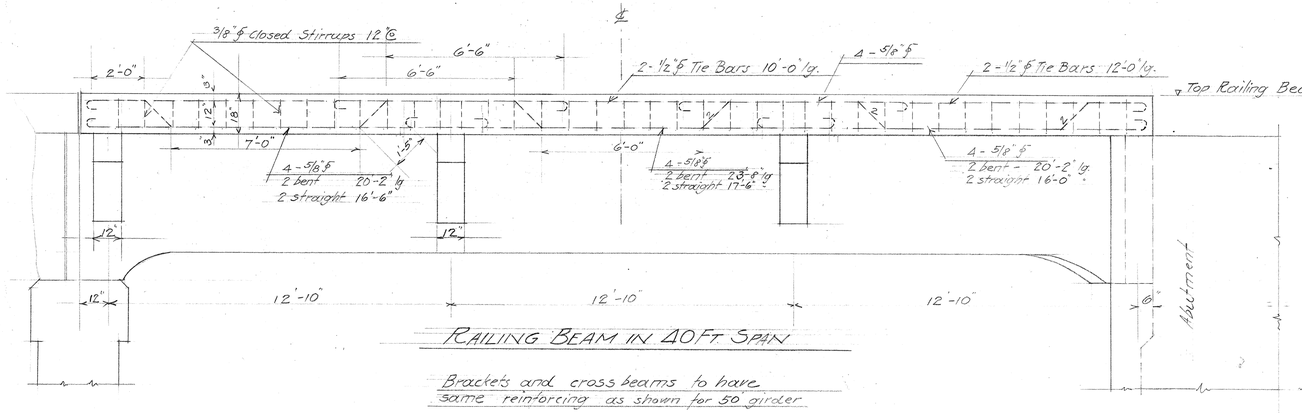
4282.8

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	14-A	1933	8-A	13



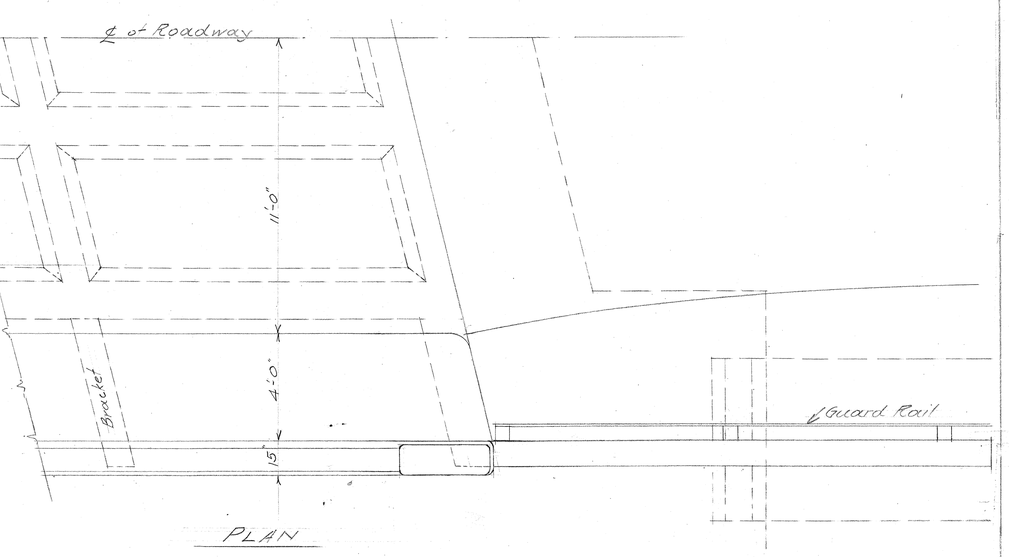
SECTION THRU 50' GIRDER AT PIER 2

Note: Railing above construction joint same as above curb in original design.
Reinforcing shown is new, except as noted.
End cross beams and brackets to have same reinforcing, except as noted.

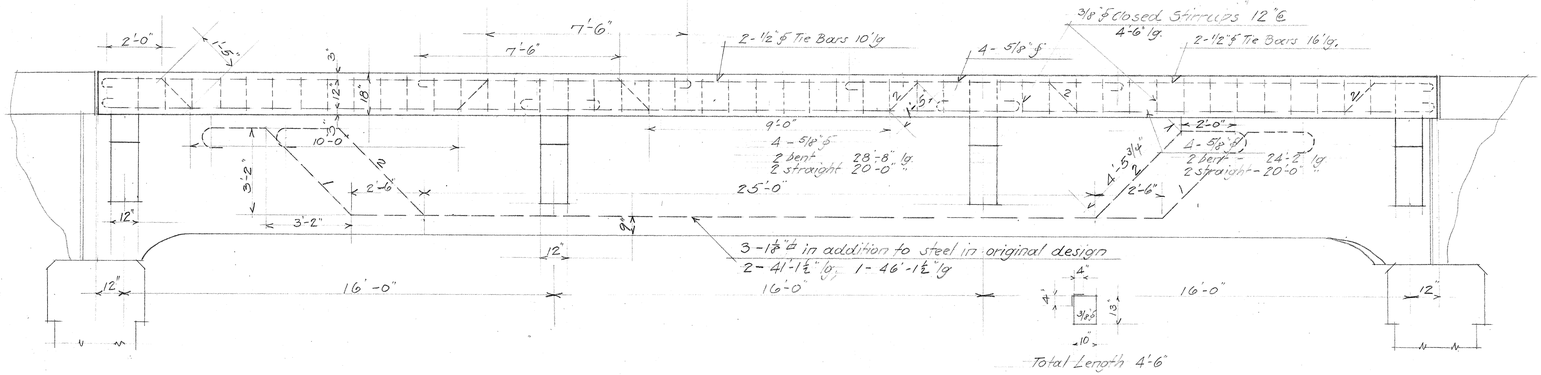


RAILING BEAM IN 40 Ft SPAN

Brackets and cross beams to have same reinforcing as shown for 50 girder



PLAN



RAILING BEAM IN 50 Ft. SPAN

SCALE 3/8" = 1'-0"

NOTE:
This sheet shows additions and changes to original design due to arrangement of side walk on right hand side of bridge. It supersedes sheets # 1 to 7 in so far as these changes and additions are concerned.

QUANTITIES	
Class 'A' Concrete	14.2 cu. yd.
Reinforcing Steel	5190 lb.

Designed by W.R.B. Date 8/33
Drawn by W.R.B.

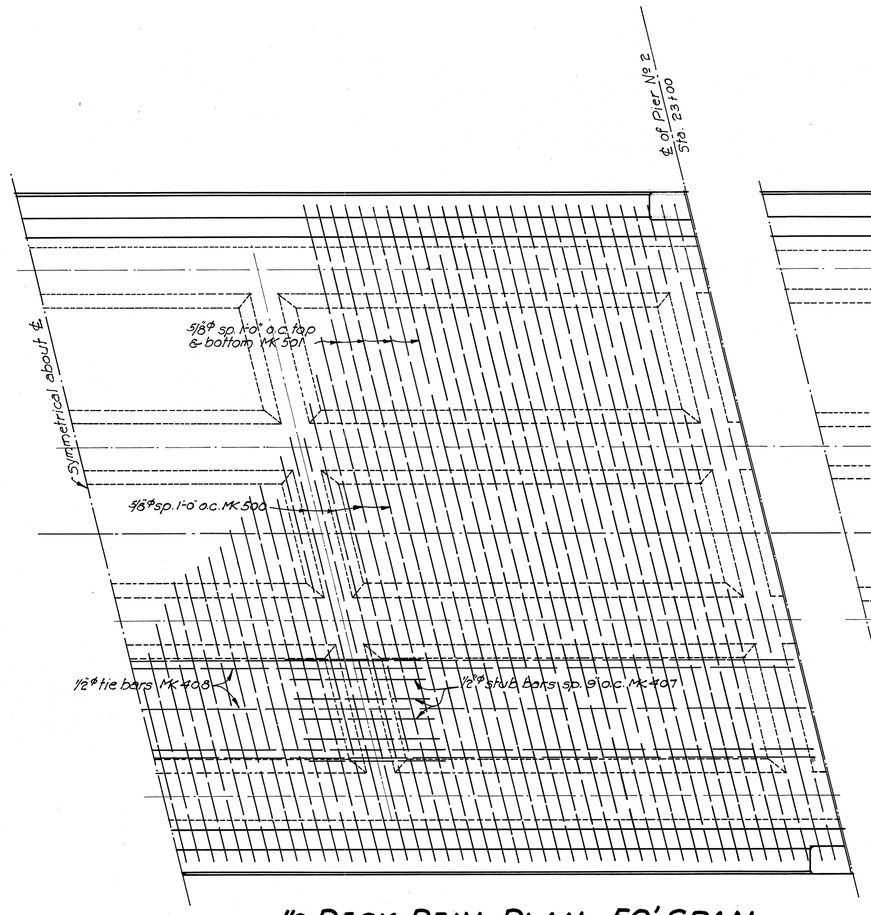
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII.

KAPEHU BRIDGE.

NO. 119 STA. 22+09.25 TO STA. 23+40.75
HAWAII BELT ROAD F.A.P. № 14 A.
AUGUST 1933 SHEET NO 2-A OF 7 SHEETS.

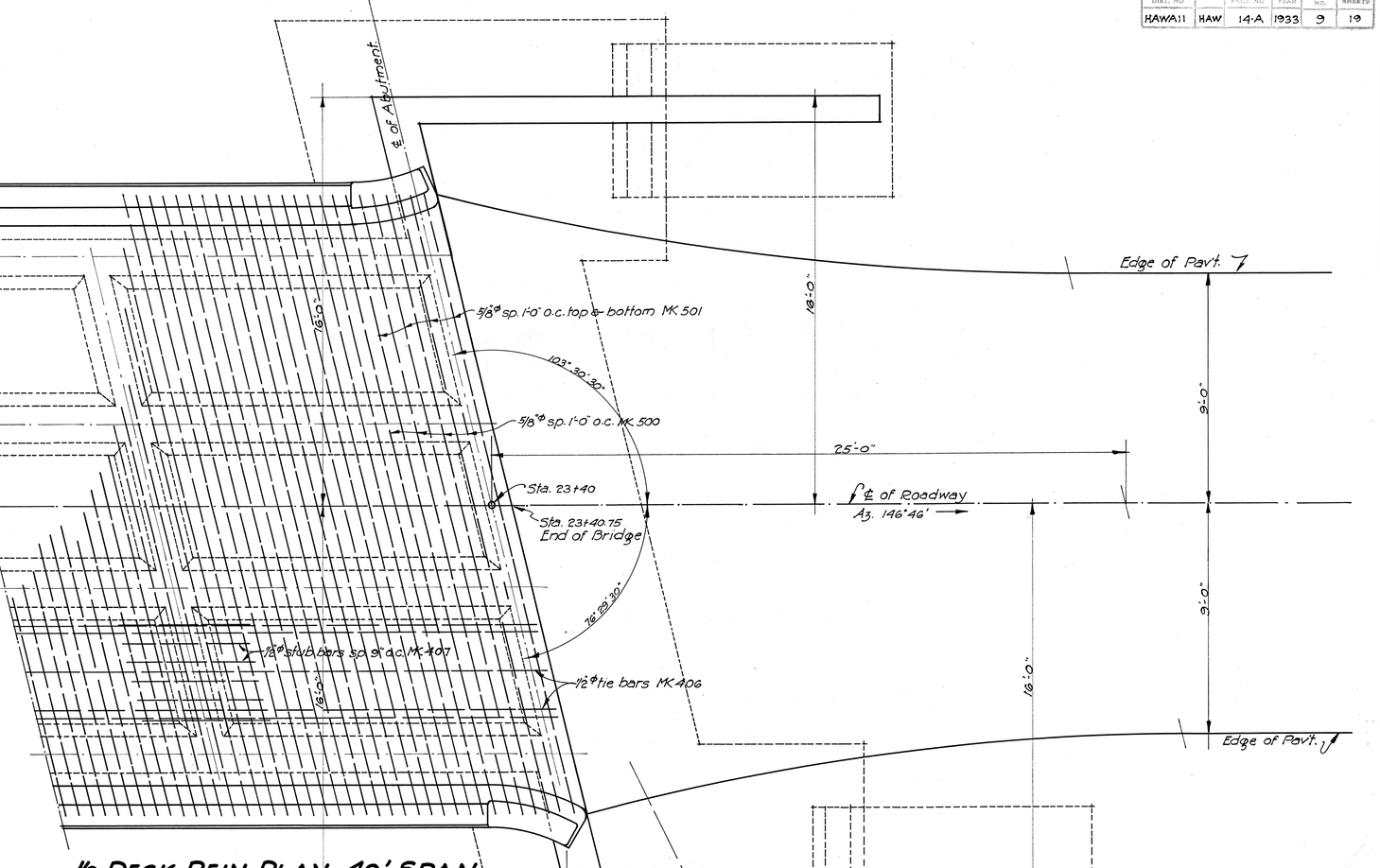
4282.8A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14-A	1933	9	19



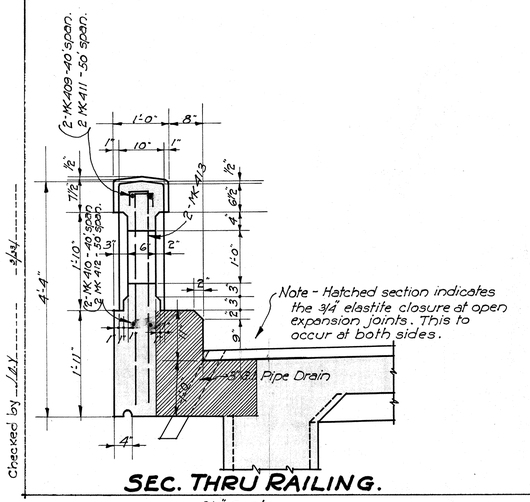
1/2 DECK REIN. PLAN 50' SPAN.

3/8" Scale.



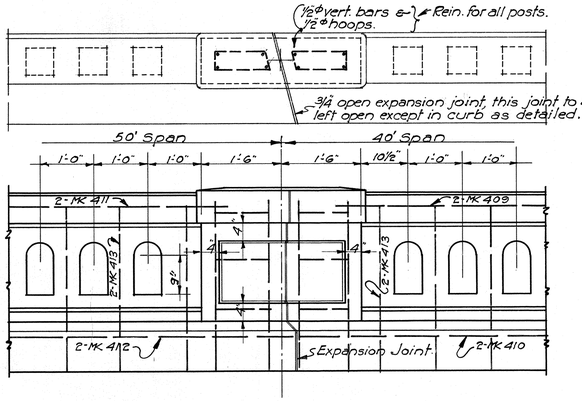
1/2 DECK REIN. PLAN 40' SPAN.

3/8" Scale.



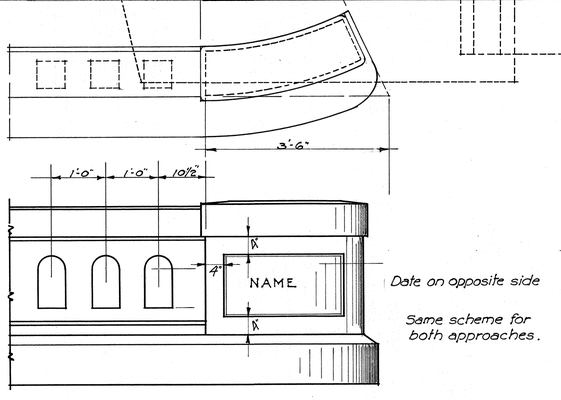
SEC. THRU RAILING.

3/4" Scale.



ELEV. OF INTERMEDIATE POSTS.

3/4" Scale.



ELEV. OF END POSTS.

3/4" Scale.

Designed by J.A.X. Date 3/33
Drawn by C.M.
Traced by
Quantities by J.A.X.
Checked by J.A.X. 3/34

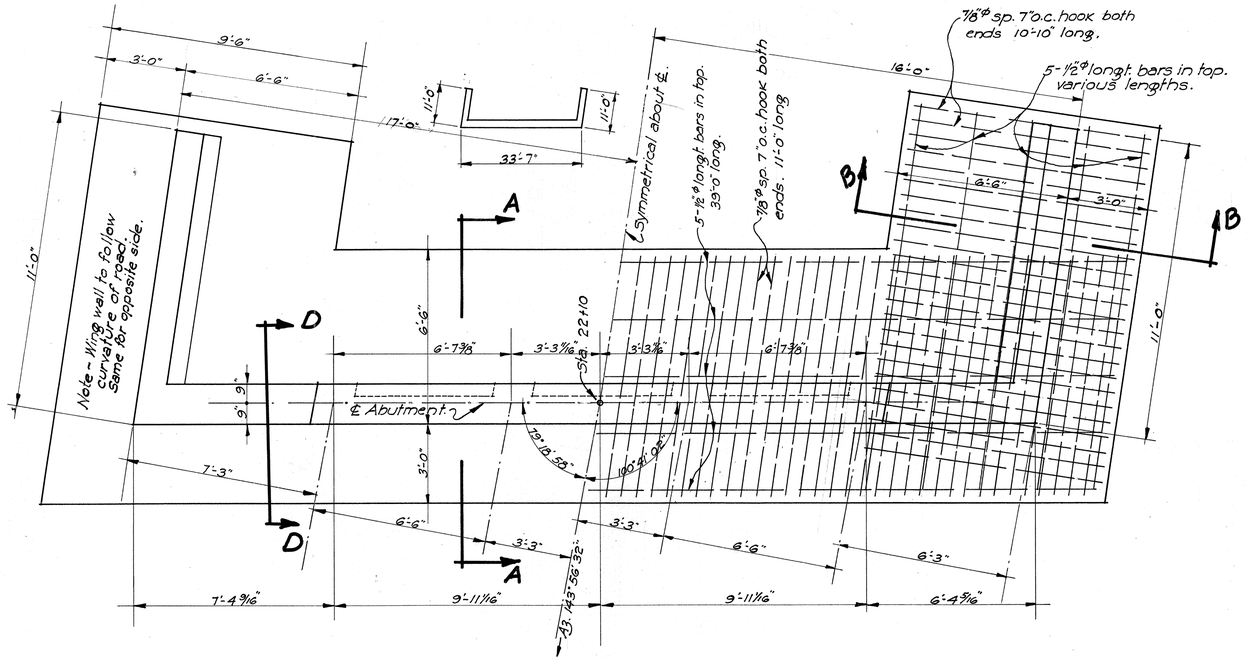
TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

KAPEHU BRIDGE

NO. 119 STA. 22+09.25 TO STA. 23+40.75
HAWAII BELT ROAD F.A.P. № 14 A.
MARCH 1933 SHEET NO 3 OF 7 SHEETS.

4282.9

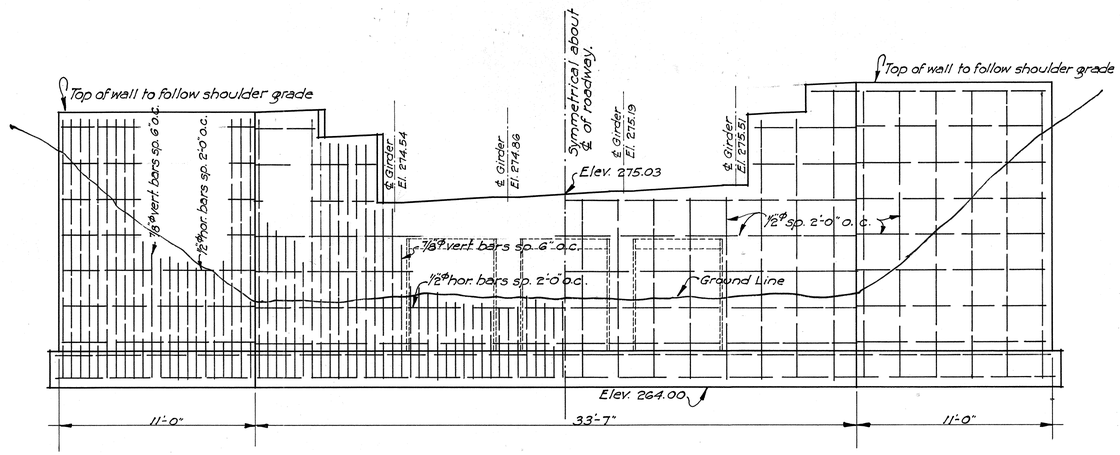
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14-A	1933	10	19



PLAN OF ABUTMENT AT STA. 22+10.

Scale 3/8" = 1'-0".

QUANTITIES	
Excavation	176.44 C.Y.
Concrete	65.74 "
Steel	8,545.2 lbs.

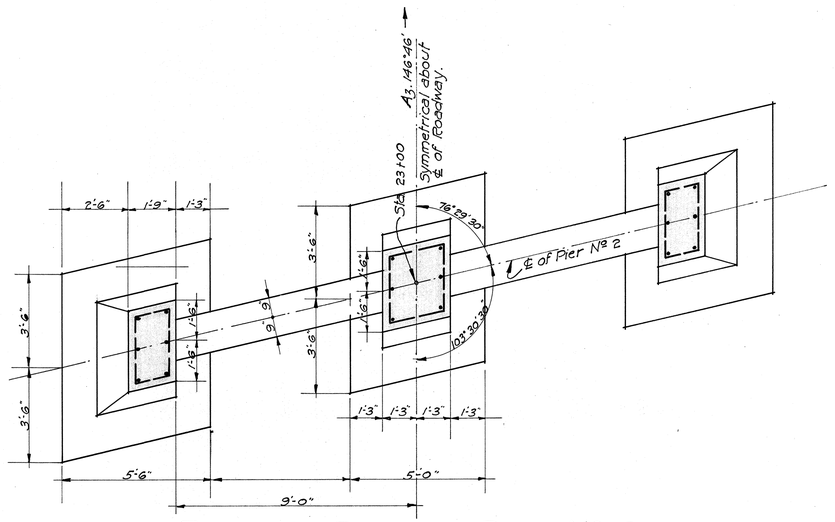


HALF REAR FACE REINFORCING. **HALF FRONT FACE REINFORCING.**

ELEVATION OF ABUTMENT AT STA 22+10.

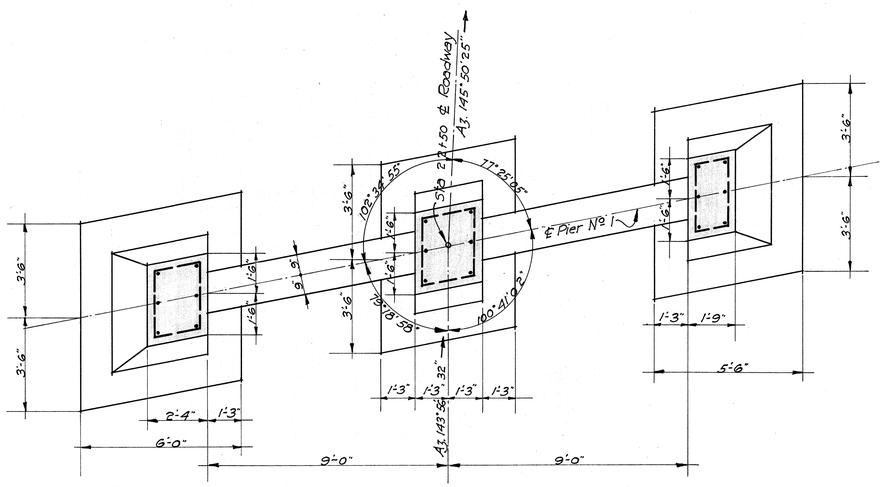
Scale 1/4" = 1'-0".

Note - Contractor to install 3" diameter weep holes sp. 6'-0" o.c. in abutment at elevations determined by the Engr., same to be backed by coarse material for drainage.



FOOTING PLAN OF PIER No. 2.

Scale 3/8" = 1'-0".



FOOTING PLAN OF PIER No. 1.

Scale 3/8" = 1'-0".

Designed by ...A.A.Y..... Date ...2/34.....
Drawn by ...C.W.....
Traced by .....
Quantities by ...A.A.Y.....
Checked by ...A.A.Y.....

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

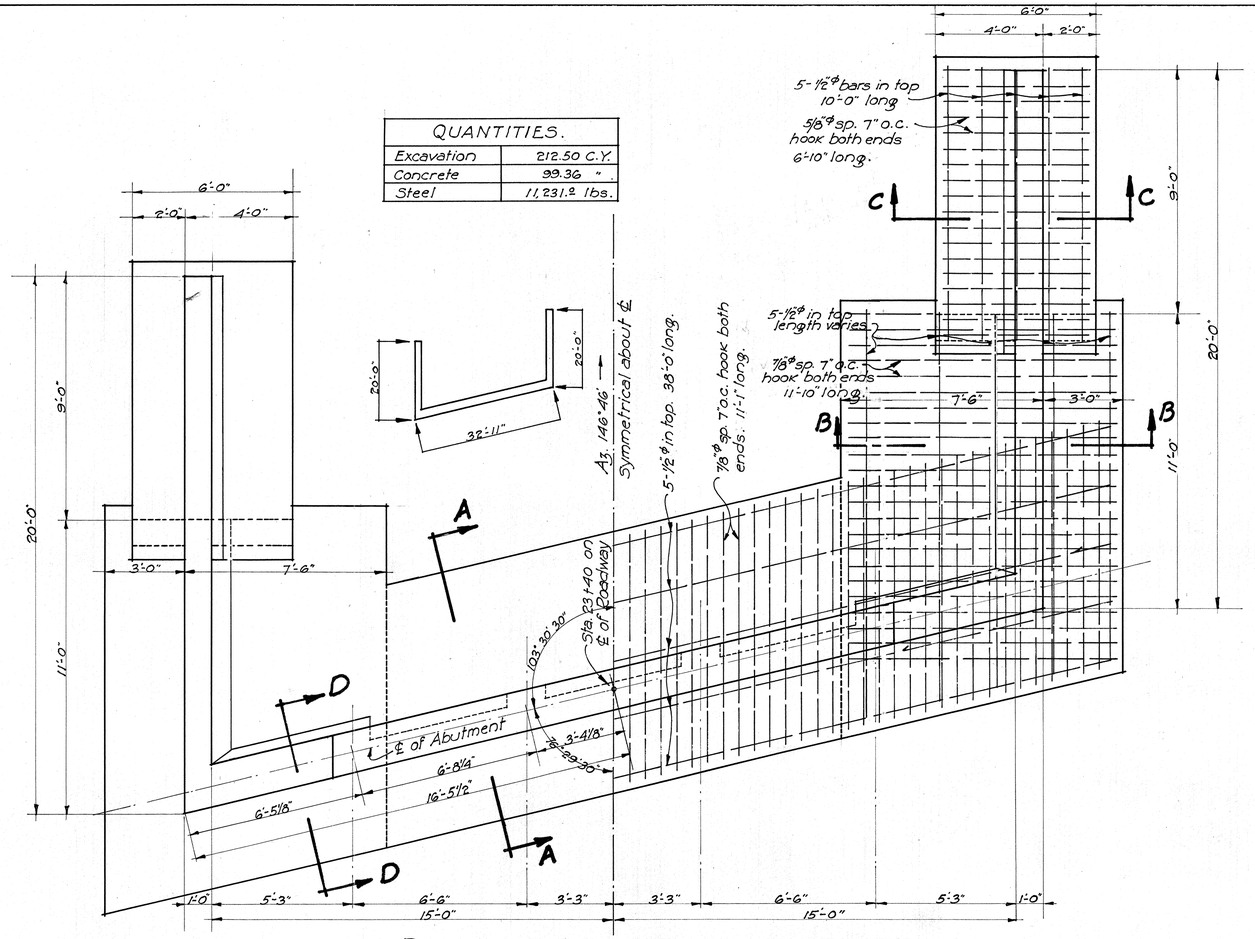
KAPEHU BRIDGE.

NO 119 STA. 22+09.25 TO STA. 23+40.75
HAWAII BELT ROAD F.A.P. No 14 A.
MARCH 1933 SHEET NO. 4 OF 7 SHEETS.

4282.10

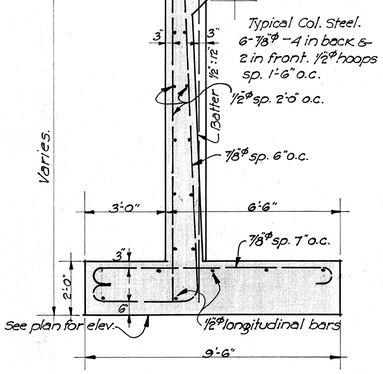
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	14-A	1933	11	19

QUANTITIES.	
Excavation	212.50 C.Y.
Concrete	99.36 "
Steel	11,231.2 lbs.



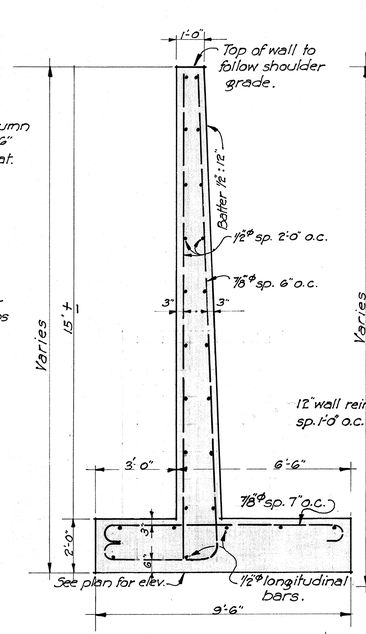
PLAN OF ABUTMENT AT STA. 23+40.

Scale 3/8" = 1'-0".



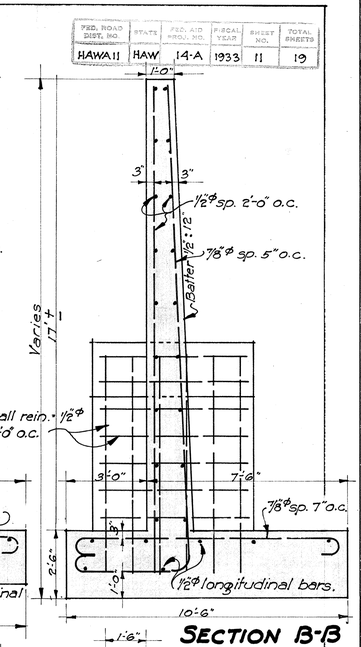
SECTION A-A. BOTH ABUTMENTS.

3/8" Scale.



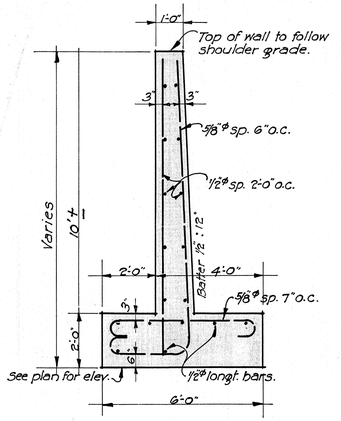
SECTION B-B STA 22+10

3/8" Scale.



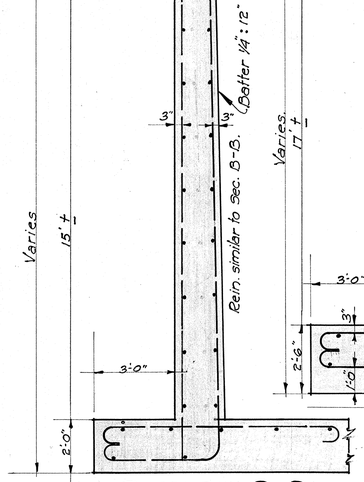
SECTION B-B STA. 23+40

3/8" Scale



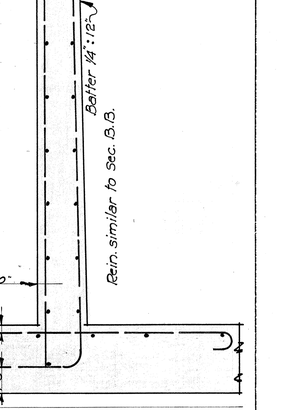
SECTION C-C. STA. 23+40

3/8" Scale.



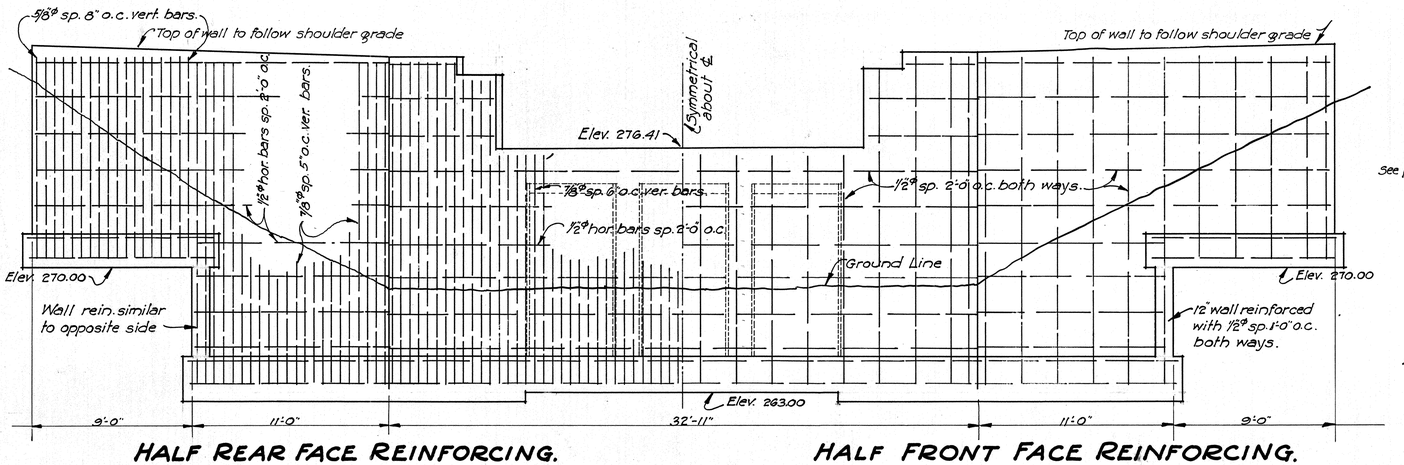
SECTION D-D. STA. 22+10

3/8" Scale.



SECTION D-D STA. 23+40.

3/8" Scale.



HALF REAR FACE REINFORCING.

HALF FRONT FACE REINFORCING.

ELEVATION OF ABUTMENT AT STA 23+40.

Scale ¼" = 1'-0".

Note ~ Contractor to install 3" diameter weep holes sp. 6'-0" o.c. in abutment at elevations determined by the Engr, same to be backed by coarse material for drainage.

Designed by J.A.Y. Date 3/33

Drawn by C.W. " "

Traced by " "

Quantities by J.A.Y. " "

Checked by J.A.Y. " "

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

KAPEHU BRIDGE.

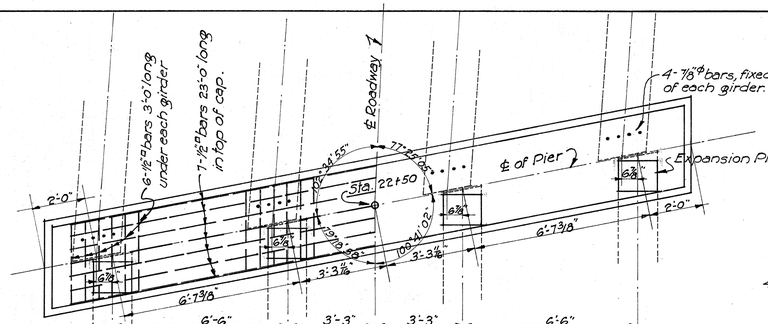
NO. 119 STA. 22+09.25 TO STA. 23+40.75

HAWAII BELT ROAD F.A.P. № 14 A.

MARCH 1933 SHEET NO 5 OF 7 SHEETS.

4282.11

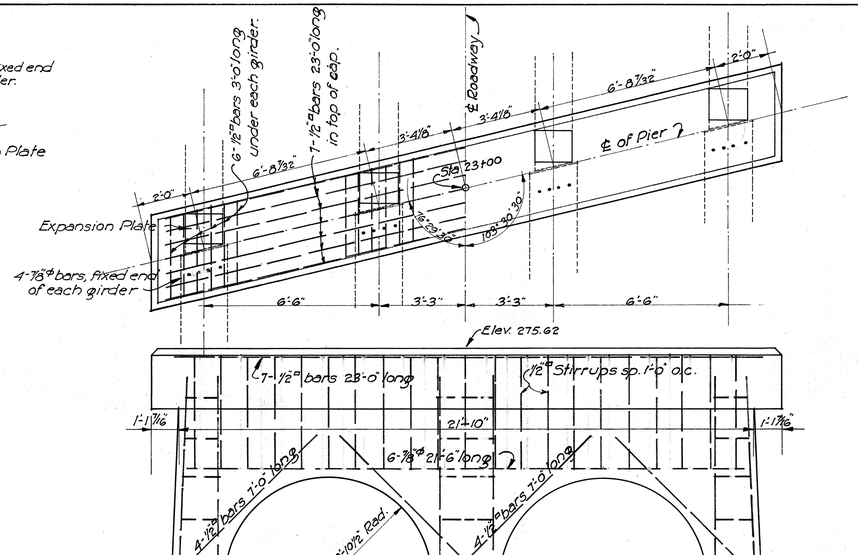
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14-A	1933	12	19



QUANTITIES	
Excavation	450 C.Y.
Concrete	68.87 "
Steel	4,064 lbs.

ELEVATION OF PIER Nº 1.

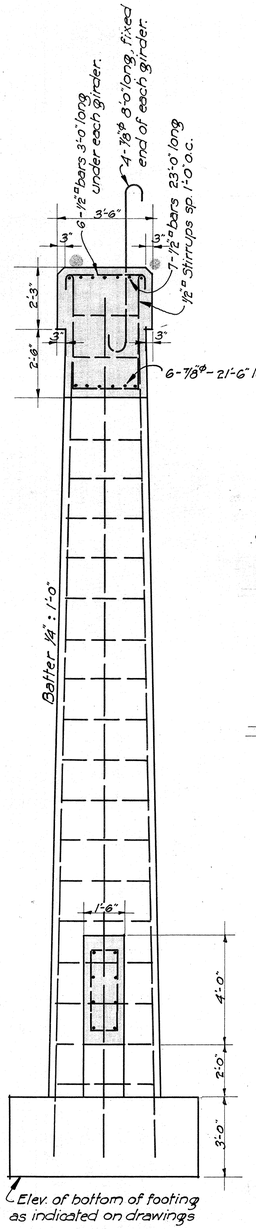
Scale 3/8" = 1'-0"



QUANTITIES	
Excavation	440 C.Y.
Concrete	626 "
Steel	3,806 lbs.

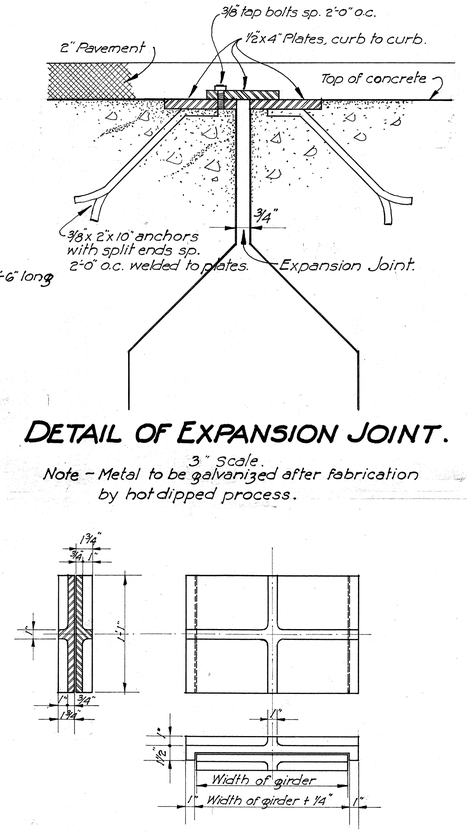
ELEVATION OF PIER Nº 2.

Scale 3/8" = 1'-0"



SEC. THRU PIER.

Scale 3/8" = 1'-0"



DETAIL OF EXPANSION JOINT.

3" Scale.

Note - Metal to be galvanized after fabrication by hot dipped process.

Note - Plates to be Phosphor Bronze with all bearing surfaces milled to true planes. Immediately before placing plates, all bearing surfaces shall be treated with graphite.

EXPANSION PLATES.

8 Pairs Required.

1 1/2" Scale.

Designed by M.D.K. Date 2/1931

Drawn by C.W.

Traced by

Quantities by J.A.K.

Checked by J.A.K. 4/1931

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

KAPEHU BRIDGE.

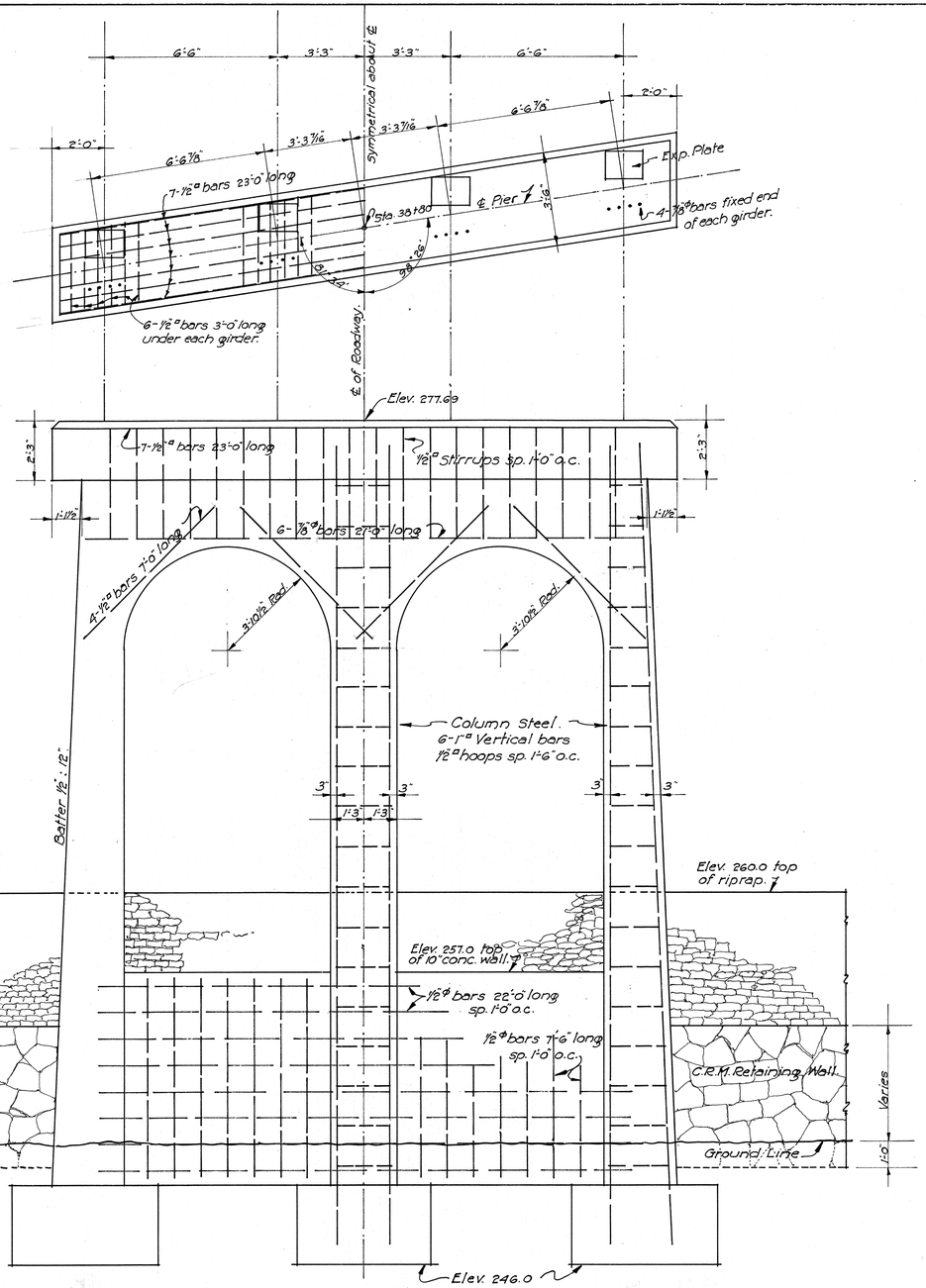
NO 119 STA. 22+09.25 TO STA. 23+40.75

HAWAII BELT ROAD F.A.P Nº 14 A.

MARCH 1933 SHEET NO. 6 OF 7 SHEETS.

4282.12

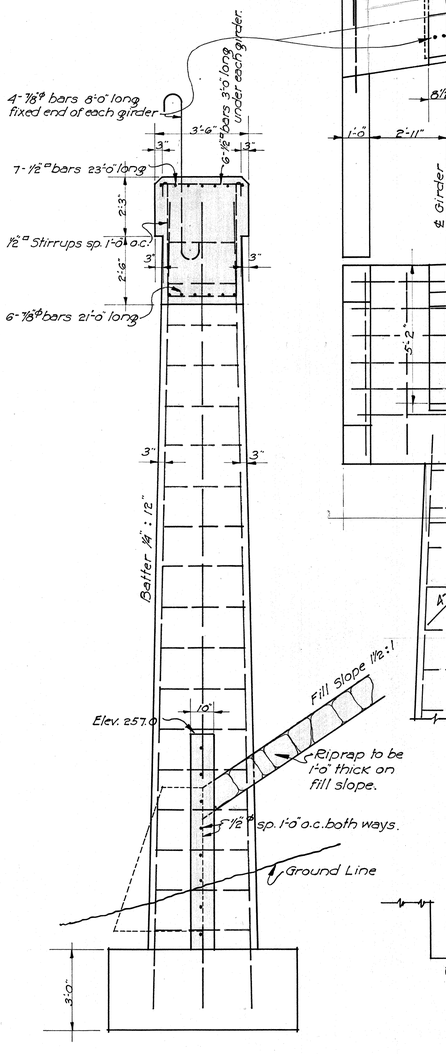
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14A	1933	14	19



DETAIL OF PIER Nº 1.

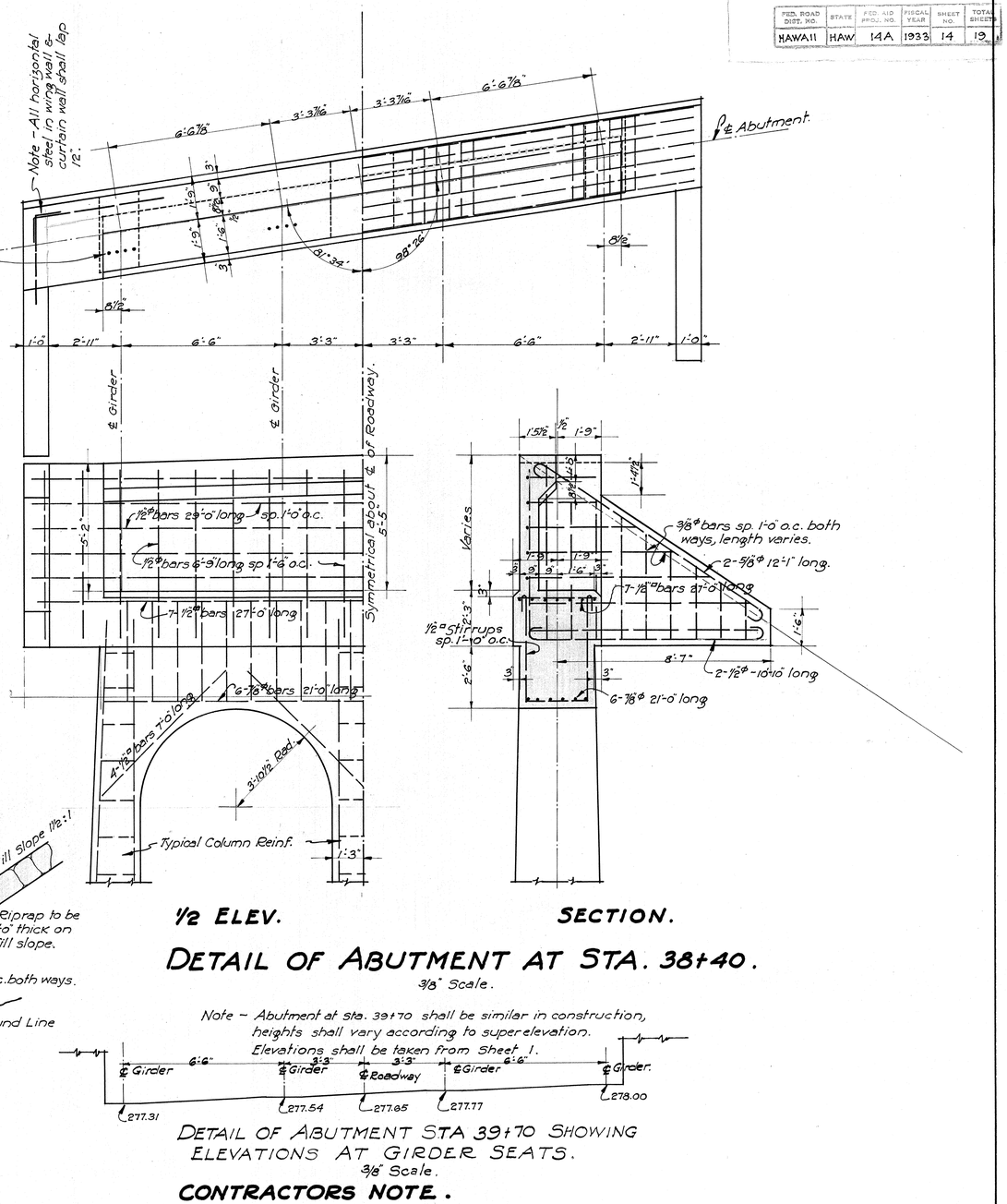
3/8" Scale.

Note : Pier # 2 shall be similar in construction, elevations shall be taken from Sheet #1. & heights shall vary accordingly, also reverse expansion plates.



SECTION THRU PIER.

3/8" Scale.



½ ELEV. SECTION.

DETAIL OF ABUTMENT AT STA. 38+40.

3/8" Scale.

Note - Abutment at Sta. 39+70 shall be similar in construction, heights shall vary according to superelevation. Elevations shall be taken from Sheet 1.

DETAIL OF ABUTMENT STA 39+70 SHOWING ELEVATIONS AT GIRDER SEATS.

3/8" Scale.

CONTRACTORS NOTE.

For general notes and details not shown see drawings for Kapehu Bridge.

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

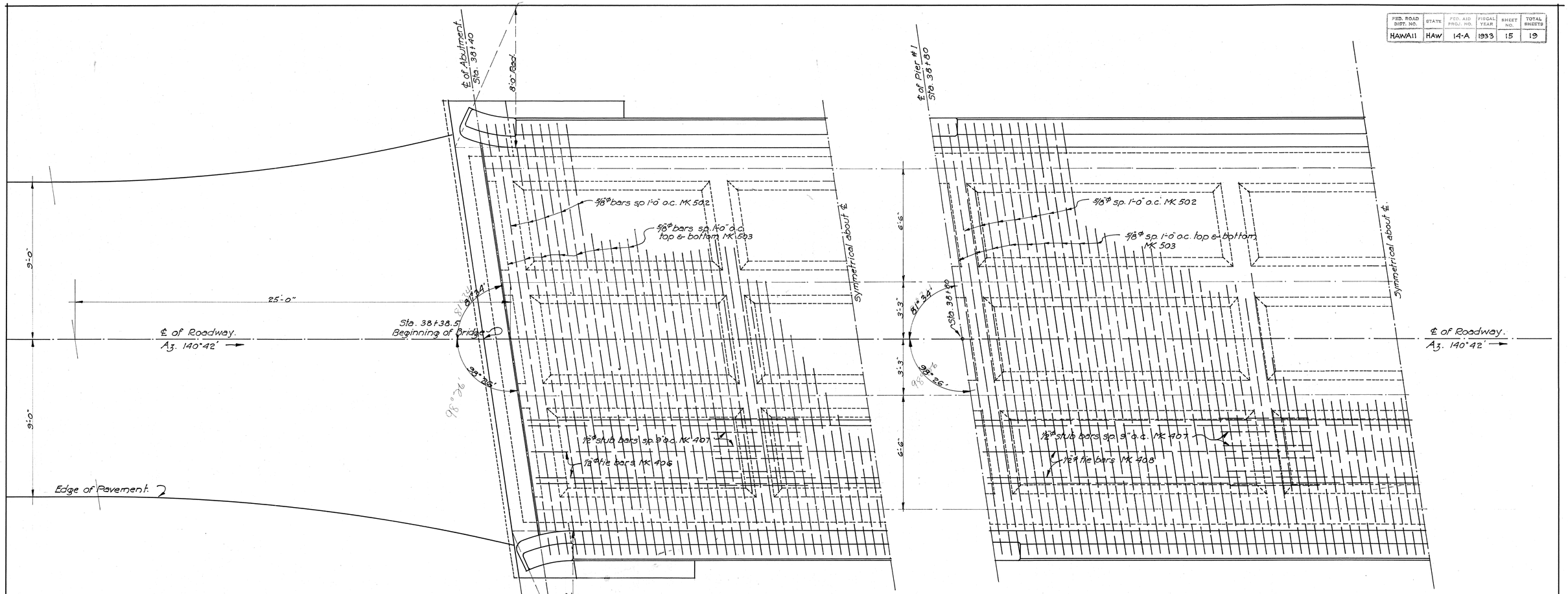
KAALUU BRIDGE.

NO 120 STA. 38+38.50 TO STA. 39+71.50
HAWAII BELT ROAD F.A.P Nº 14A.
MARCH 1933 SHEET NO. 2 OF 4 SHEETS.

Designed by L.A.Y. Date 1/33
Drawn by C.W.
Traced by
Quantities by L.A.Y.
Checked by L.A.Y.

Kaaluu 4282.14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14-A	1933	15	19

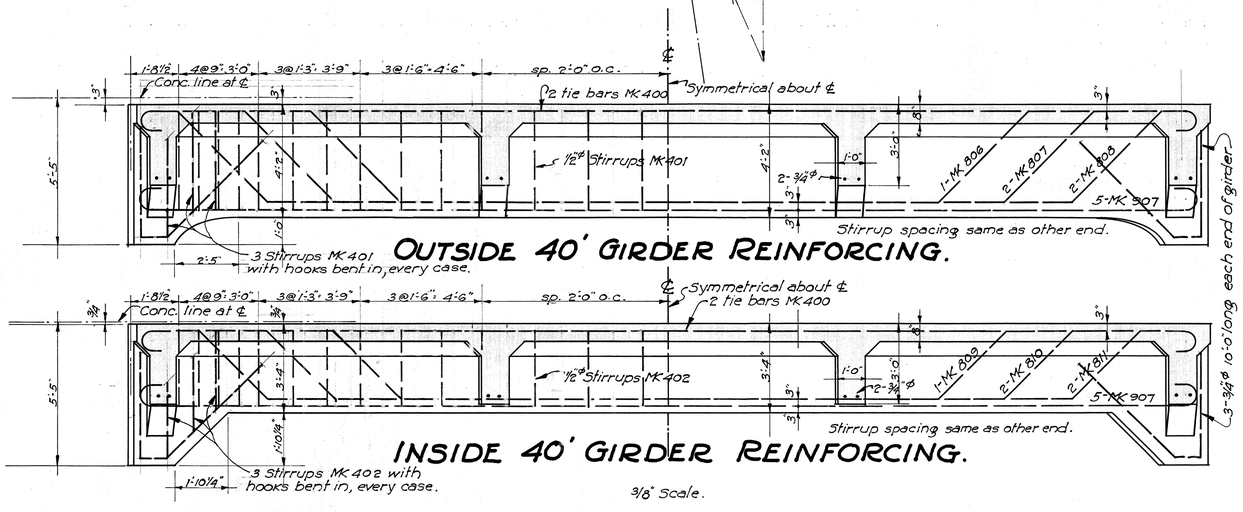


½ DECK REIN. PLAN 40'SPAN.

3/8" Scale.

½ DECK REIN. PLAN 50'SPAN.

3/8" Scale.



3/8" Scale.

CONTRACTORS NOTE.
For general notes and details not shown see drawings for Kapehu Bridge.

Designed by LAY. Date 4/24/
Drawn by C.M. "
Traced by " "
Quantities by LAY. 3/24/
Checked by LAY. 3/24/

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

KAALUU BRIDGE.

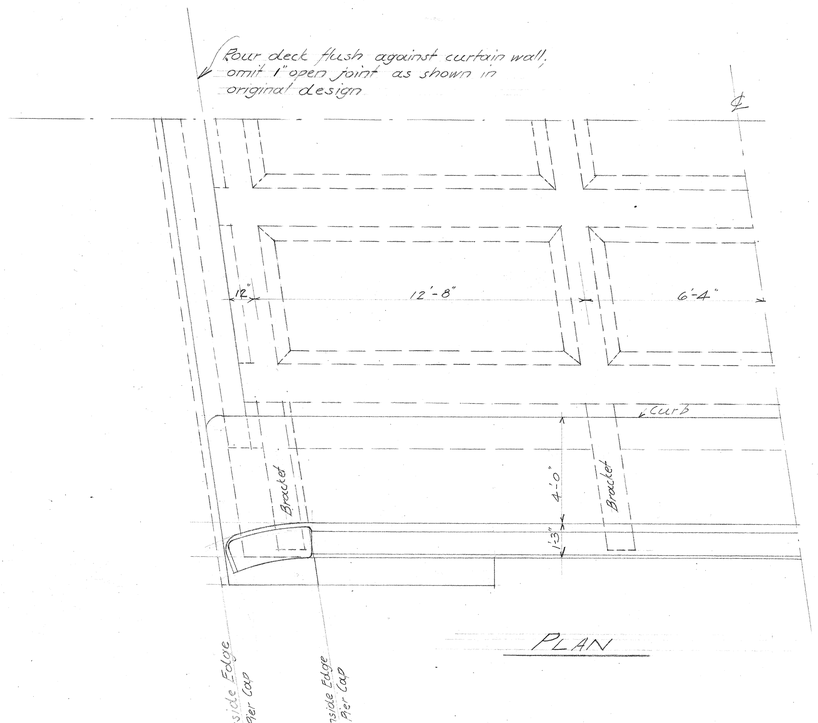
NO 120 STA. 38+38.50 TO STA. 39+71.50
HAWAII BELT ROAD F.A.P. Nº 14 A.
MARCH 1933 SHEET Nº 3 OF 4 SHEETS.

Kaaluu Br.

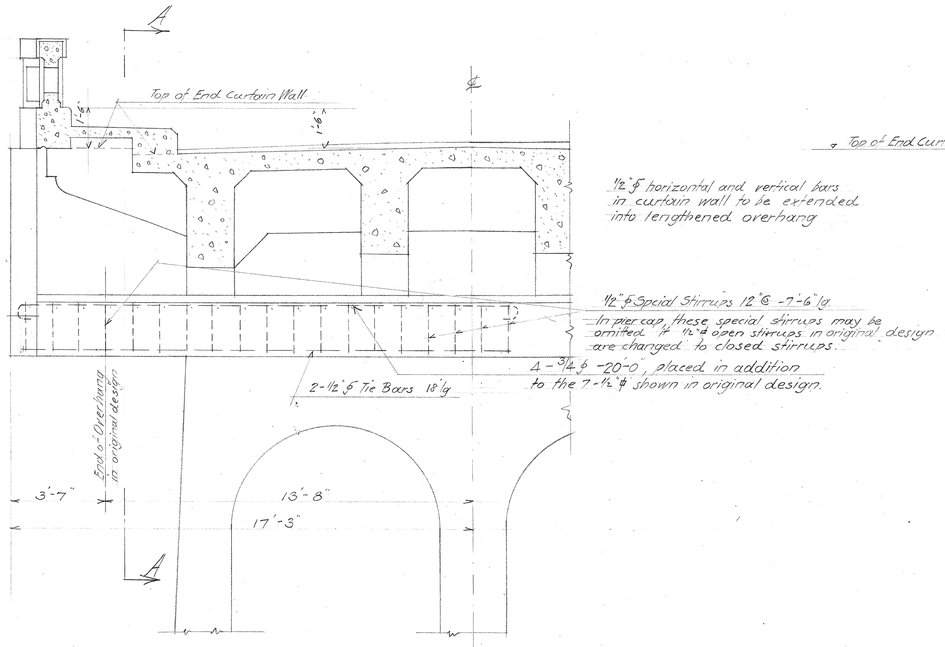
4282.15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	14-A	1933	15-A	19

Designed by M.E.B. Date 8.33
Drawn by M.E.B. " "

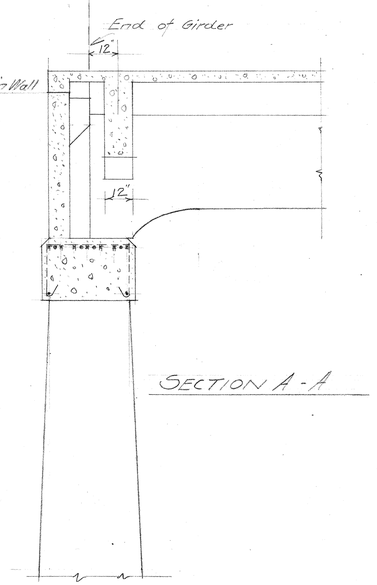


PLAN



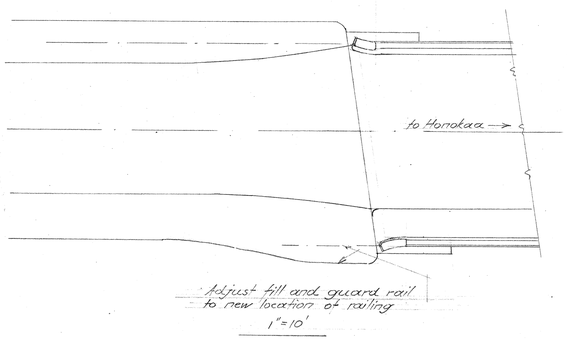
CROSS SECTION

SCALE: 3/8" = 1'-0"



SECTION A-A

QUANTITIES	
Class "A" Concrete	15.5 cu yd.
Reinforcing Steel	6400 lb.



NOTE:

For reinforcing details of side walk slab, brackets, and railing beams refer to Sheet No. 2a of Kapehu Bridge

This sheet shows additions and changes to original design due to arrangement of side walk on right hand side of bridge. It supersedes Sheets # 1 to 4 in so far as these changes and additions are concerned.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII.

KAALUU BRIDGE.

NO 120 STA. 35+38.50 TO STA. 39+71.50
HAWAII BELT ROAD F.A.P. No 14 A.
AUGUST 1933 SHEET No 3A OF 4 SHEETS.

4282.15A

REINFORCING SCHEDULE FOR SUPERSTRUCTURE ONLY.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWA 11	HAW	14-A	1933	16	19

KAPEHU BRIDGE. #119

MK	DESCRIPTION	LOCATION	Size	Length	No. of bars in each unit	No. of units	Total No. of bars wanted	Total Length	Weight per foot	Total Weight
800	5'-11", 4'-10", 1'-5", 3'-5", 3'-5", 20'-4"	40' Girders (Outside)	1" □	45'-0"	1	4	4	180.00	3.44	619.20
801	3'-5", 4'-10", 1'-5", 3'-5", 3'-5", 25'-8"	"	1" □	45'-0"	2	4	8	360.00	"	1238.40
802	11", 4'-10", 1'-5", 3'-5", 3'-5", 30'-4"	"	1" □	45'-0"	2	4	8	360.00	"	1238.40
900	1'-7", 39'-4"	" (Outside & Inside)	1 1/8" □	42'-6"	5	8	40	1,700.00	4.35	7,395.00
400	38'-0"	" "	1/2" ϕ	38'-0"	2	8	16	608.00	0.68	413.44
401	4 1/8", 3'-9 1/2", 1'-0 1/2", 4 1/8"	" (Outside)	1/2" ϕ	9'-4"	28	4	112	1044.96	"	710.57
803	6'-6", 4'-9", 1'-5", 2'-10", 2'-10", 20'-8"	40' Girders (Inside)	1" □	44'-6"	1	4	4	178.00	3.44	612.32
804	4'-0", 4'-9", 1'-5", 2'-10", 2'-10", 25'-8"	"	1" □	44'-6"	2	4	8	356.00	"	1224.64
805	1'-6", 4'-10", 1'-5", 2'-10", 2'-10", 30'-4"	"	1" □	44'-6"	2	4	8	356.00	"	1224.64
402	4 1/8", 2'-11 7/8", 1'-0 1/2", 4 1/8"	"	1/2" ϕ	7'-8"	28	4	112	857.92	0.68	583.38
901	5'-10", 4'-10", 1'-7", 3'-5", 3'-5", 30'-0"	50' Girders (Outside)	1 1/8" □	54'-6"	1	2	2	109.00	4.35	474.15
902	3'-4", 4'-10", 1'-7", 3'-5", 3'-5", 35'-0"	"	1 1/8" □	54'-6"	2	2	4	218.00	"	948.30
903	10", 4'-10", 1'-7", 3'-5", 3'-5", 40'-0"	"	1 1/8" □	54'-6"	2	2	4	218.00	"	948.30
1000	1'-9", 48'-6"	" (Outside & Inside)	1 1/4" □	52'-0"	5	4	20	1040.00	5.37	5584.80
403	40'-0"	" "	1/2" ϕ	40'-0"	2	4	8	320.00	0.68	217.60
404	4 7/8", 3'-9 3/4", 1'-4 3/4", 4 7/8"	" (Outside)	1/2" ϕ	9'-9"	33	2	66	643.50	"	437.58
904	6'-2", 4'-4 7/8", 1'-7", 3'-1", 3'-1", 30'-0"	50' Girders (Inside)	1 1/8" □	54'-2 3/4"	1	2	2	108.46	4.35	471.80
905	3'-8", 4'-4 7/8", 1'-7", 3'-1", 3'-1", 35'-0"	"	1 1/8" □	54'-2 3/4"	2	2	4	216.92	"	943.60
906	1'-2", 4'-4 7/8", 1'-7", 3'-1", 3'-1", 40'-0"	"	1 1/8" □	54'-2 3/4"	2	2	4	216.92	"	943.60
405	4 7/8", 3'-5 3/4", 1'-4 3/4", 4 7/8"	"	1/2" ϕ	9'-1"	33	2	66	599.28	0.68	407.51
500	3'-11 7/8", 5 7/8", 3'-0 1/8", 11", 41'-0", 4", 4"	Slab. (40' & 50' span)	5/8" ϕ	27'-7 3/4"	40 48	2@40 1@50	80 48 128	3537.92	1.06	3750.19
501	11", 25'-0"	" "	5/8" ϕ	26'-10"	40 48	2@40 1@50	80 48 128	3434.24	"	3640.29
406	8", 39'-8"	" (40' span)	1/2" ϕ	41'-0"	18	2	36	1476.00	0.68	1,003.68
407	5'-0"	" (40' & 50' span).	1/2" ϕ	5'-0"	18	6	108	540.00	"	367.20

KAPEHU BRIDGE (Cont.)

MK	DESCRIPTION	LOCATION	Size	Length	No. of bars in each unit	No. of units	Total No. of bars wanted	Total Length	Weight per foot	Total Weight.
408	8", 49'-0"	Slab (50' Span)	1/2" ϕ	50'-4"	18	1	18	905.94	0.68	616.04
409	38'-0"	40' Railing (Cap)	1/2" ϕ	38'-0"	2	4	8	304.00	"	206.72
410	40'-0"	40' Railing (Curb)	1/2" ϕ	40'-0"	2	4	8	320.00	"	217.60
411	48'-0"	50' Railing (Cap)	1/2" ϕ	48'-0"	2	2	4	192.00	"	130.56
412	49'-0"	50' Railing (Curb)	1/2" ϕ	49'-0"	2	2	4	196.00	"	133.28
413	8", 4", 3'-5"	Ver. Steel in Railing	1/2" ϕ	4'-0"	72 94	18@4 2@50	288 188 476	1904.00	"	1294.72
600	1'-1", 20'-2"	Diaphram.	3/4" ϕ	22'-4"	2	10	20	446.60	1.52	678.83
414	21'-0"	Curtain Wall	1/2" ϕ	21'-0"	5	2	10	210.00	0.68	142.80
415	5'-0"	" "	1/2" ϕ	5'-0"	15	2	30	150.00	"	102.00
TOTAL LBS.										38,922.00
								Additional Steel		1,525.00
								Grand Total		40,447.00

KAALUU BRIDGE. #120

MK	DESCRIPTION	LOCATION	Size	Length	No. of bars in each unit	No. of units	Total No. of bars wanted	Total Length	Weight per foot	Total Weight.
806	5'-11", 4'-10", 1'-5", 3'-5", 3'-5", 20'-0"	40' Girders (Outside)	1" □	44'-4"	1	4	4	177.32	3.44	609.98
807	3'-5", 4'-10", 1'-5", 3'-5", 3'-5", 25'-0"	"	1" □	44'-4"	2	4	8	354.64	"	1219.96
808	11", 4'-10", 1'-5", 3'-5", 3'-5", 30'-0"	"	1" □	44'-4"	2	4	8	354.64	"	1219.96
907	1'-7", 38'-8"	(Outside & Inside)	1 1/8" □	41'-10"	5	8	40	1673.20	4.35	7278.42
400	See Kapehu Bridge	" "	1/2" ϕ	38'-0"	2	8	16	608.00	0.68	413.44
401	" " "	(Outside)	1/2" ϕ	9'-4"	28	4	112	1044.96	"	710.57
809	6'-6", 4'-0", 1'-5", 2'-10", 2'-10", 20'-0"	40' Girders (Inside)	1" □	43'-10"	1	4	4	175.32	3.44	603.10
810	4'-0", 4'-0", 1'-5", 2'-10", 2'-10", 25'-0"	"	1" □	43'-10"	2	4	8	350.64	"	1206.20
811	1'-6", 4'-0", 1'-5", 2'-10", 2'-10", 30'-0"	"	1" □	43'-10"	2	4	8	350.64	"	1206.20
402	See Kapehu Bridge.	"	1/2" ϕ	7'-8"	28	4	112	857.92	0.68	583.38
901	" " "	50' Girders (Outside)	1 1/8" □	54'-6"	1	2	2	109.00	4.35	474.15
902					2	2	4	218.00		948.30
903					2		4	218.00		948.30
1000	" " "	(Outside & Inside)	1 1/4" □	52'-0"	5	4	20	1040.00	5.37	5584.80
403	" " "	" "	1/2" ϕ	40'-0"	2	4	8	320.00	0.68	217.60

KAALUU BRIDGE (Cont.)

MK	DESCRIPTION	LOCATION	Size	Length	No. of bars in each unit	No. of units	Total No. of bars wanted	Total Length	Weight per foot.	Total Weight.
404	See Kapehu Bridge	50' Girders (Outside)	1/2" ϕ	9'-9"	33	2	66	643.50	0.68	437.58
904	" " "	50' Girders (Inside)	1 1/8" □	54'-2 3/4"	1		2	108.46		471.80
905					2	2	4	216.92	4.35	943.60
906					2		4	216.92		943.60
405	" " "	"	1/2" ϕ	9'-1"	33	2	66	599.28	0.68	407.51
502	3'-9 3/4", 4", 5/8", 3'-0 1/8", 4", 3'-0", 4"	Slab (40' & 50' Span)	5/8" ϕ	27'-2 3/4"	39 48	2@40 1@50	78 48 126	3430.98	1.06	3636.84
503	11", 24'-7"	" "	5/8" ϕ	26'-5"	39 48	2@40 1@50	78 48 126	3328.92	"	3528.65
416	8", 39'-0"	(40' Span)	1/2" ϕ	40'-4"	18	2	36	1451.88	0.68	987.28
407	See Kapehu Bridge	(40' & 50' Span)	1/2" ϕ	5'-0"	18	6	108	540.00	0.68	367.20
408	" " "	(50' span)	1/2" ϕ	50'-4"	18	1	18	905.94	"	616.04
409	" " "	40' Railing (Cap)	1/2" ϕ	38'-0"	2	4	8	304.00	"	206.72
410	" " "	40' Railing (Curb)	1/2" ϕ	40'-0"	2	4	8	320.00	"	217.60
411	" " "	50' Railing (Cap)	1/2" ϕ	48'-0"	2	2	4	192.00	"	130.56
412	" " "	50' Railing (Curb)	1/2" ϕ	49'-0"	2	2	4	196.00	"	133.28
413	" " "	Ver. Steel in Railing	1/2" ϕ	4'-0"	72 94	18@4 2@50	288 188 476	1904.00	"	1294.72
601	1'-1", 19'-10"	Diaphram.	3/4" ϕ	22'-0"	2	12	24	528.00	1.52	802.56
									Additional Steel.	38,350.00 1,525.00
									Grand Total	39,875.00

FOR KAPEHU & KAALUU BRIDGES.

5'-0", 4'-0", 1'-0"	50' Girders	3/4" ϕ	10'-0"	6 (3 each end)	8	48	480.00	1.52	729.60
	40' Girders				16	96	960.00		1459.20
See No of Stirrup referred to.	50' Girders	1/2" ϕ	Varies	"	8	48	452.00	0.68	307.36
	40' Girders				16	96	815.50		554.54
TOTAL LBS. ADDITIONAL STEEL. BOTH BRIDGES.									2)3051.00
									Each Br = 1525.00

Designed by J.A.Y. Date 1/31/33
Drawn by C.W. 3/31/33
Traced by " 3/31/33
Quantities by J.A.Y. 3/31/33
Checked by J.A.Y. 3/31/33

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII.

KAPEHU BRIDGE.
KAALUU BRIDGE.

NO 119 STA. 22+09.25 TO STA. 23+40.75
NO 120 " 38+38.50 " " 39+71.50
HAWAII BELT ROAD F.A.P. Nº 14 A.

MARCH 1933 SHEET NO. 14 OF 19 SHEETS.

4282.16