FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S219(4)	1952	31	109

REVISED 11-26-52

125
130
135
140
145
A
A
B
B
NOT PART OF THIS CONTRACT
BEG. OF PROJ. S 219 (4)
STA. 141+00
NO U TURN
R-8
STOP
R-1
PAVEMENT NARROWS
W-19
DIVIDED HIGHWAY ENDS
W-21
NO PARKING ANY TIME
R-18
W-6
DIVIDED HIGHWAY AHEAD
W-20
KEEP RIGHT
R-14
W-41
TURN RIGHT ANY TIME WITH CAUTION
R-106
END 25 MILE SPEED
R-105-B
BEGIN 45 MILE SPEED
R-105-E

SUMMARY

CODE No.	SIGN	QUANTITY
R-105-A	Begin 25 Miles	2
R-105-B	End 25 Miles	4
R-105-E	Begin 45 Miles	4
R-105-F	End 45 Miles	4
R-102-C	Speed Limit 45 Miles	8
W-20	Divided Hwy. Ahead	1
W-21	Divided Hwy. Ends	2
W-19	Pavement Narrows	2
W-6	Intersection	14
W-7	Intersection	16
W-41	Roadside Delineator	8
W-42	Roadside Delineator	2
W-43	Roadside Delineator	2
R-1	Stop	22
R-14	Keep Right	2
R-18	No Parking Anytime	2
R-43-S	No Crossing Median Strip	11
R-44-X	Slow Vehicles take Right Lane	2
R-106	Turn Right Anytime with Caution	8
R-104-A	Reduced Speed of 25 Ahead	4
	F.A. Markers	2
R-8	No U Turn	21

NOTE: Pavement Markings are not part of this Contract.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
TRAFFIC SIGNS &
PAVEMENT MARKINGS
MOANALUA ROAD
PROJECT NO. S 219 (4)
Scale: 1"=50'
February, 1952

SHEET Nº OF SHEETS

5491-31

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S 219 (4)	1952	32	109

Revised 11-21-52
" 12-5-52

W-41
TURN RIGHT ANY TIME WITH CAUTION
R-106
Access Permitted
Access Permitted 120.00
STOP
STOP
B
B
STOP
R-1
70.00 Access Permitted
NO U TURN
R-8
BEGIN 25 MILE SPEED
R-105-A
Access Permitted 30.00
30.00 Access Permitted
W-6
155
160
END 45 MILE SPEED
R-105-F
REDUCED SPEED OF 25 AHEAD
R-104-A
SLOW VEHICLES TAKE RIGHT LANE
R-44-X
C
C
C
C
Access Permitted 120.16
165
170
STOP
175
D
D

(33)

NOTE: Pavement Markings are not part of this Contract.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
TRAFFIC SIGNS &
PAVEMENT MARKINGS
MOANALUA ROAD
PROJECT NO. S 219 (4)
Scale: 1" = 50'
February, 1952

SHEET No. OF SHEETS
5491.32
(2)

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S219(4)	1952	33	109

Rev'd 11-21-52

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

W-41
Easement (20 ft wide)
Access Permitted
TURN RIGHT ANY TIME WITH CAUTION
R-106
D
D
Access Permitted 40.00
STOP
STOP
STOP
STOP
STOP
Access Permitted
E
E
STOP
R-1
NO U TURN
R-8
W-7
W-6
SPEED LIMIT 45
R-102-C
W-42
W-43
SLOW VEHICLES TAKE RIGHT LANE
R-44-X
NO CROSSING MEDIAN STRIP
R-43-S
NO CROSSING MEDIAN STRIP
R-43-S
F
F
E
E
Access Permitted 40.00
STOP
STOP
STOP
STOP
Access Permitted
NO U TURN
R-8

NOTE: Pavement Markings are not part of this Contract.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
TRAFFIC SIGNS &
PAVEMENT MARKINGS
MOANALUA ROAD
PROJECT NO. S 219 (4)

Scale: 1" = 50'
February, 1952

5491.33

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S 219(4)	1952	34	109

REVISED 11-26-52
" 12-5-52

True North
Scale: 1in = 50 ft.
TURN RIGHT ANYTIME WITH CAUTION
R-106
NO CROSSING MEDIAN STRIP
R-43-S
W-41
Line "E"
238° 04'
Access Permitted
C.S. 205+83.23
S.T. 207+33.23
207+54.65
-0.67
F
F
272° 14'
B.L. Sta. 210+00
Line "D" Sta. 5+20
Line "E" Sta. 0+00
182° 14'
STOP
210
215
T.S. 212+93.29
S.C. 214+93.29
Access Permitted
272° 14'
Line "D"
251° 06'
Beg. Line D
Sta 0+00
NO U TURN
R-8
STOP
R-1
W-7
W-6
W-7
G
G
220
Red Hill Access Road
Line "F-1"
Line "F-1" Sta. 0+00
SLOW VEHICLES TAKE RIGHT LANE
R-44-X
NO U TURN
R-8
G
G
220
225
230
322° 52'
STOP
B.L. Sta. 226+00
Line "F" 0+00
232° 52'
H
H
C.S. 221+37.15
S.T. 223+37.15
223+35.82
+1.26
NO U TURN
R-8
TURN RIGHT ANYTIME WITH CAUTION
R-106
Access Permitted
Line "G" Sta. 1+44.05
Underground C.P. Road
True North
Scale: 1in = 50 ft.

NOTE: Pavement Markings are not part of this contract.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

TRAFFIC SIGNS AND PAVEMENT MARKINGS
MOANALUA ROAD

PROJECT NO. S 219(4)

Scale: 1"=50'
May 1952

SHEET No. OF SHEETS

5491.34

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

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR.	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S219 (4)	1952	35	109

Revised 11-21-52
" 12-5-52

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

H
H'
54.00
Access Permitted
Access Permitted
Access Permitted
STOP
240
245
250
255
TURN RIGHT ANY TIME WITH CAUTION
R-106
STOP
R-1
NO U TURN
R-8
NO CROSSING MEDIAN STRIP
R-43-S
W-7
SPEED LIMIT 45
R-102-C
NO U TURN
R-8
TURN RIGHT ANY TIME WITH CAUTION
R-106
Easement (80 ft. wide)
NO CROSSING MEDIAN STRIP
R-43-S
STOP
R-1
W-7
W-41
SLOW VEHICLES TAKE RIGHT LANE
R-44-X
I
I'
J
J'
NO U TURN
R-8

NOTE: Pavement Markings are not part of this Contract.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
TRAFFIC SIGNS &
PAVEMENT MARKINGS
MOANALLIA ROAD
PROJECT NO. S 219 (4)

Scale: 1" = 50'
February, 1952

SHEET No OF SHEETS
5491.35

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S 219(4)	1952	36	109

Revised 11-21-52
12-5-52

PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
NO.
RT. OF WAY CHECKED
BY
DATE

PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
NO.
RT. OF WAY CHECKED
BY
DATE

J
J
270
STOP
STOP
Access Permitted
K
K
Access Permitted
275
280
NO U TURN
R-8
SLOW VEHICLES TAKE RIGHT LANE
R-44-X
NO CROSSING MEDIAN STRIP
R-43-S
STOP
R-1
END 25 MILE SPEED
R-105-B
BEGIN 45 MILE SPEED
R-105-E
280
285
K
K
Access Permitted
END 45 MILE SPEED
R-105-F
REDUCED SPEED OF 25 AHEAD
R-104-A
END OF PROJECT
Highway Black Background
Series 'C'
END SCHOOL ZONE
R-41-T
24"x24"
PEDESTRIAN CROSSING
Black
W-54
24"x24"
Series 'D'
SLOW VEHICLES TAKE RIGHT LANE
R-44-X
24"x30"
REDUCED SPEED OF 25 AHEAD
R-104-A
24"x30"

Note: See Notes on Sht. No. 5491.32.

NOTE: Pavement Markings are not part of this Contract.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
TRAFFIC SIGNS &
PAVEMENT MARKINGS
MOANALUA ROAD
PROJECT NO. S 219 (4)

Scale: 1" = 50'
February, 1952

SHEET No. OF SHEETS
5491.3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S219(4)	1952	37	109

Black Letters on "Highway Yellow" Background White Reflectors
STOP
R-1
30" x 30"
Black Letters on White Background
Series "D"
Series "C"
NO RIGHT TURN
R-6
18" x 24"
1/16" ϕ bolt hole
Series "C"
Series "F"
NO U TURN
R-8
18" x 24"
SIGNALS SET FOR 25 M.P.H.
R-10
12" x 18"
Series "D"
Series "C"
NO PASSING
R-11
20" x 24"
END NO PASSING ZONE
R-12
20" x 24"
KEEP RIGHT EXCEPT TO PASS
R-13
24" x 30"
KEEP RIGHT
R-14
18" x 24"
DO NOT ENTER
R-15
24" x 24"
Black letters, White Arrow on Black Background, White Border and White Reflectors
ONE WAY
R-16-R
*R-16-L
36" x 12"
Red Letters & Border on White Background
NO PARKING ANY TIME
R-18
12" x 18"
NO PARKING BUS STOP
R-26
12" x 18"
Red Letters & Border on White Background
White Reflectors
NO PARKING ON PAVEMENT
R-29
24" x 30"
White Letters on "Highway Yellow" Background
Red Letters White Background
SCHOOL SLOW ZONE
R-41-S
24" x 24"
Red Letters & Border on White Background
NO PARKING MEDIAN STRIP
R-42-S
12" x 18"
Black Letters on White Background
NO CROSSING MEDIAN STRIP
R-43-S
12" x 18"
SLOW VEHICLE TAKE RIGHT LANE
R-44-S
12" x 18"
SPEED LIMIT 25
R-102-A
24" x 30"
SPEED LIMIT 35
R-102-B
24" x 30"
SPEED LIMIT 45
R-102-C
24" x 30"
SPEED ZONE AHEAD
R-104
24" x 30"
BEGIN 25 MILE SPEED
R-105-A
24" x 30"
END 25 MILE SPEED
R-105-B
24" x 30"
BEGIN 35 MILE SPEED
R-105-C
24" x 30"
END 35 MILE SPEED
R-105-D
24" x 30"
BEGIN 45 MILE SPEED
R-105-E
24" x 30"
END 45 MILE SPEED
R-105-F
24" x 30"
TURN RIGHT ANY TIME WITH CAUTION
R-106
24" x 30"
TURN LEFT ON GREEN ARROW ONLY
R-107-A
24" x 30"
NO LEFT TURN
R-107
14" x 9"
bolt hole
Black Arrow on "Highway Yellow" Background
White Reflectors
W-2-R
*W-2-L
24" x 24"
W-4-R
*W-4-L
24" x 24"
W-5-R
*W-5-L
24" x 24"
W-6
24" x 24"
W-7
24" x 24"
W-8-R
*W-8-L
24" x 24"
W-9
24" x 24"
W-10
24" x 24"
STOP AHEAD
W-13
24" x 24"
SIGNALS AHEAD
W-14
24" x 24"
WATCH TRAFFIC SIGNALS
W-14-A
24" x 24"
PAVEMENT NARROWS
W-19
30" x 30"
DIVIDED HIGHWAY AHEAD
W-20
30" x 30"
White Reflectors
DIVIDED HIGHWAY ENDS
W-21
30" x 30"
NARROW BRIDGE
W-22
24" x 24"
LOW CLEARANCE 12FT 6IN
Figures varies according to height of clearance
W-24
30" x 30"
PAVEMENT ENDS
W-25
24" x 24"
Series "C"
SLIPPERY WHEN WET
Series "B"
W-29
24" x 24"
HOSPITAL
W-38
24" x 24"
CROSS WALK
W-39
24" x 24"
W-1-R
*W-1-L
24" x 24"

NOTE: All Warning Signs shall have two (2) 1/16" ϕ bolt holes drilled at 24" center unless otherwise noted.

All letters and figures shall be of size and design shown and shall conform with "Standard Alphabets for Highway signs" as set forth by the Public Roads Administration, Federal Works Agency. Series "C" letters and Series "D" numerals shall be used except where noted.

Note: All Regulatory (R) signs shall have black letters on a white background except where noted.
All Warning (W) signs shall have black letters or figures on a "Highway Yellow" background.
*Signs shall be similar but opposite in direction.

See Specifications for Materials and Finish.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
REGULATORY & WARNING SIGNS
Scale: 1" = 1'
May 31, 1949
APPROVED:
TERRITORIAL HIGHWAY ENGINEER

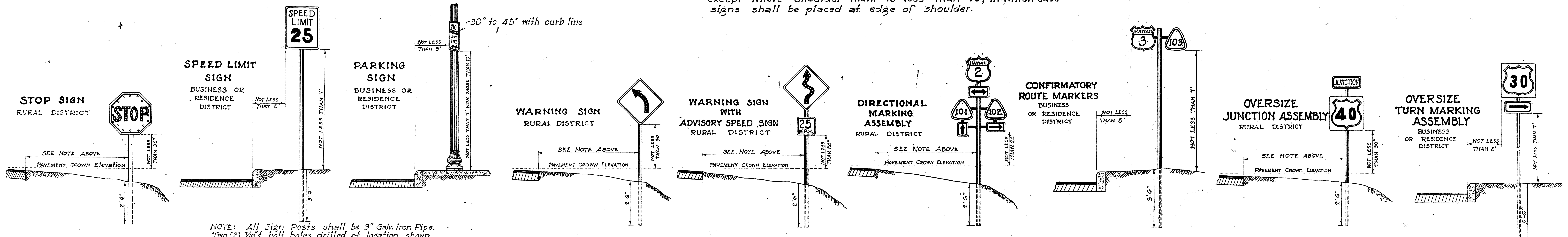
SHEET № OF SHEETS

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

5491.37

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S219(4)	1952	38	109

NOTE: All signs shall be placed 10' from edge of pavement except where shoulder width is less than 10', in which case signs shall be placed at edge of shoulder.

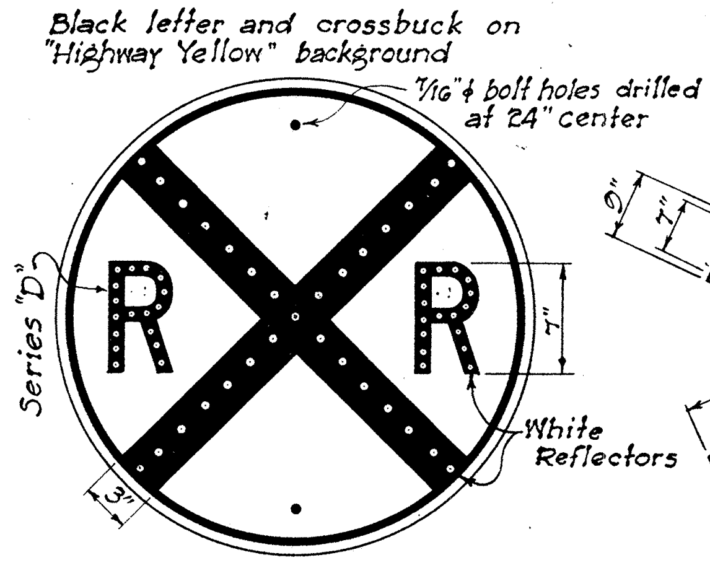

STOP SIGN
RURAL DISTRICT
STOP
SEE NOTE ABOVE
PAVEMENT CROWN Elevation
NOT LESS THAN 30"
2'6"
SPEED LIMIT SIGN
BUSINESS OR RESIDENCE DISTRICT
SPEED LIMIT 25
NOT LESS THAN 5'
NOT LESS THAN 7'
3'6"
PARKING SIGN
BUSINESS OR RESIDENCE DISTRICT
NO PARKING ANY TIME
30° to 45° with curb line
NOT LESS THAN 5'
NOT LESS THAN 7' NOR MORE THAN 10'
WARNING SIGN
RURAL DISTRICT
SEE NOTE ABOVE
PAVEMENT CROWN ELEVATION
NOT LESS THAN 30"
2'6"
WARNING SIGN WITH ADVISORY SPEED SIGN
RURAL DISTRICT
25 M.P.H.
SEE NOTE ABOVE
PAVEMENT CROWN ELEVATION
NOT LESS THAN 24"
2'6"
DIRECTIONAL MARKING ASSEMBLY
RURAL DISTRICT
HAWAII 2
101
102
SEE NOTE ABOVE
PAVEMENT CROWN ELEVATION
NOT LESS THAN 24"
2'6"
CONFIRMATORY ROUTE MARKERS
BUSINESS OR RESIDENCE DISTRICT
HAWAII 3
103
NOT LESS THAN 5'
NOT LESS THAN 7'
3'6"
OVERSIZE JUNCTION ASSEMBLY
RURAL DISTRICT
JUNCTION
40
SEE NOTE ABOVE
PAVEMENT CROWN ELEVATION
NOT LESS THAN 30"
2'6"
OVERSIZE TURN MARKING ASSEMBLY
BUSINESS OR RESIDENCE DISTRICT
30
NOT LESS THAN 5'
NOT LESS THAN 7'
3'6"

NOTE: All Sign Posts shall be 3" Galv. Iron Pipe. Two (2) 7/16"ϕ bolt holes drilled at location shown. Two (2) 3/8 ϕ bolts with leather washers against face and back of metal sign.

HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

Scale: 1" = 3'-0"

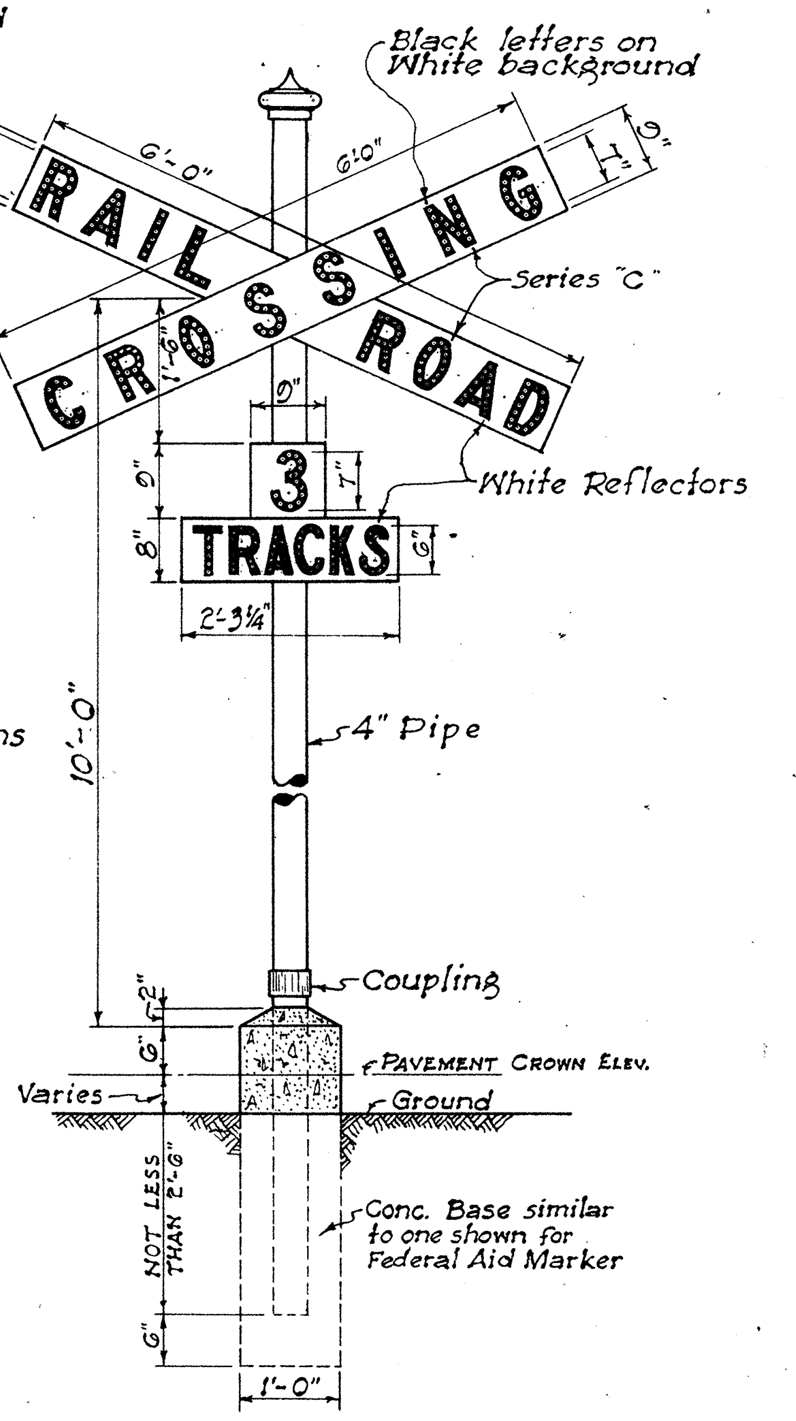
Black letter and crossbuck on "Highway Yellow" background


7/16"ϕ bolt holes drilled at 24" center
R
R
Series "D"
7"
White Reflectors
3"

W-32

30" Diameter
Scale: 1" = 1'-0"

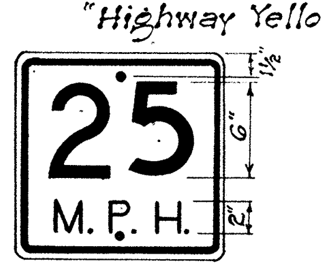
NOTE: This sign shall be placed from 300 to 500 feet from R. R. intersections in rural areas and a minimum distance of 100 feet from R. R. intersections in Residence or Business districts.


Black letters on White background
RAIL
ROAD
CROSSING
6'-0"
6'0"
9"
7"
Series "C"
White Reflectors
1'-6"
9"
3
7"
TRACKS
6"
8"
2'-3¼"
4" Pipe
10'-0"
Coupling
2"
6"
Pavement Crown Elev.
Varies
Ground
NOT LESS THAN 2'-6"
Conc. Base similar to one shown for Federal Aid Marker
6"
1'-0"

W-33

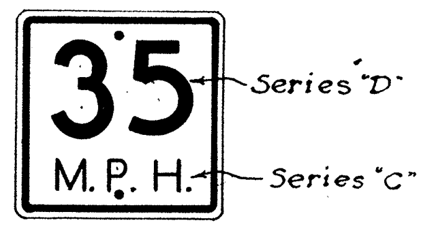
Scale: 1/2" = 1"

Black letters and figures on "Highway Yellow" background



W-35-A

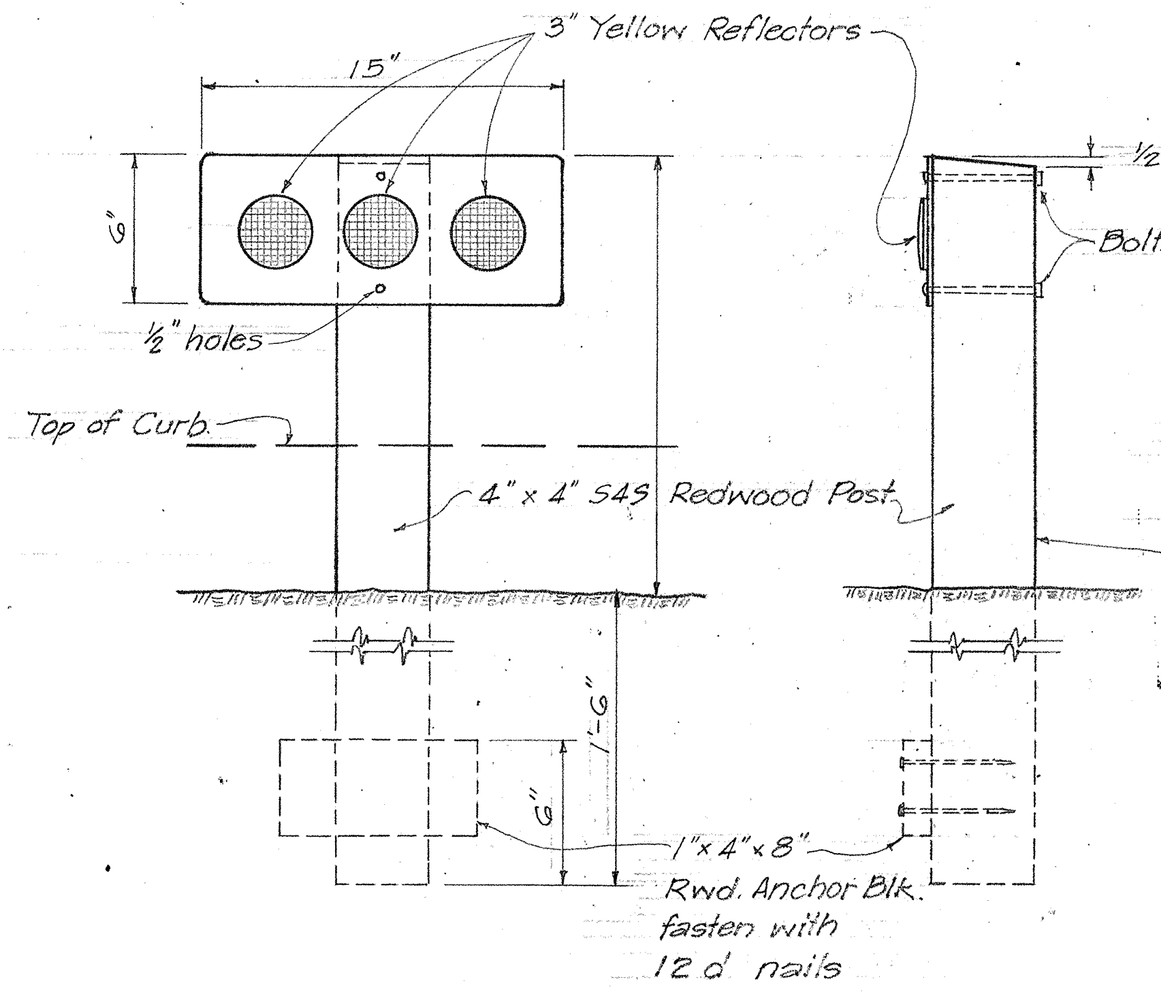
13" x 13"


35
M.P.H.
Series "D"
Series "C"

W-35-B

13" x 13"

Scale: 1" = 1'-0"

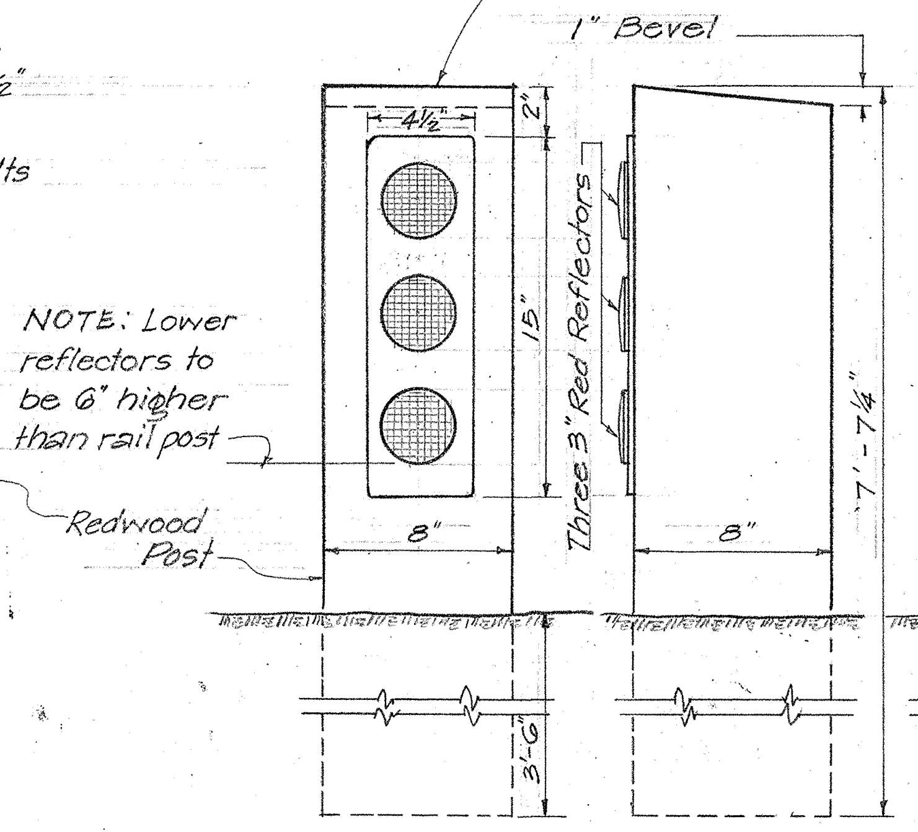

3" Yellow Reflectors
15"
6"
1/2"
Bolts
1/2" holes
Top of Curb
4" x 4" S4S Redwood Post
1'-6"
6"
1"x 4"x 8" Rwd. Anchor Blk. fasten with 12 d nails

W-41

Scale: 1½" = 1'-0"

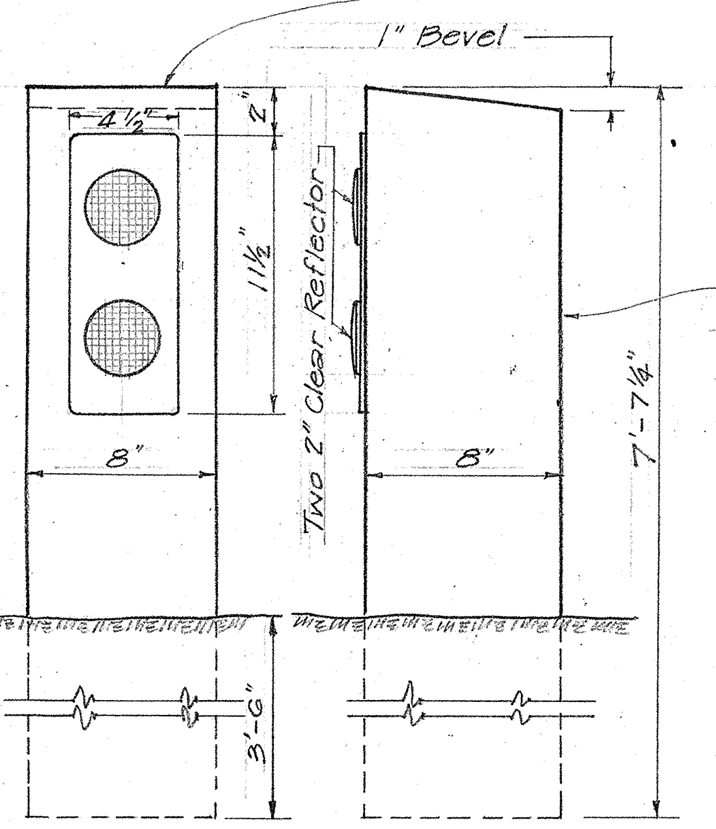
NOTE: These posts to replace Metal Guard Rail Post adjacent to Bridges where shown on plans.

NOTE: Lower reflectors to be 6" higher than rail post


1" Bevel
4½"
2"
15"
Three 3" Red Reflectors
7'-7¼"
8"
8"
Redwood Post
3'-6"

W-42

Scale: 1½" = 1'-0"


1" Bevel
4½"
2"
11½"
Two 2" Clear Reflector
7'-7¼"
8"
8"
3'-6"

NOTE: This marker shall be installed opposite and at the same height as marker W-42

W-43

Scale: 1½" = 1'-0"

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

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

REGULATORY & WARNING SIGNS

SCALE AS NOTED May 31, 1949
APPROVED:
Territorial Highway Engineer

SHEET № OF SHEETS

5491.38