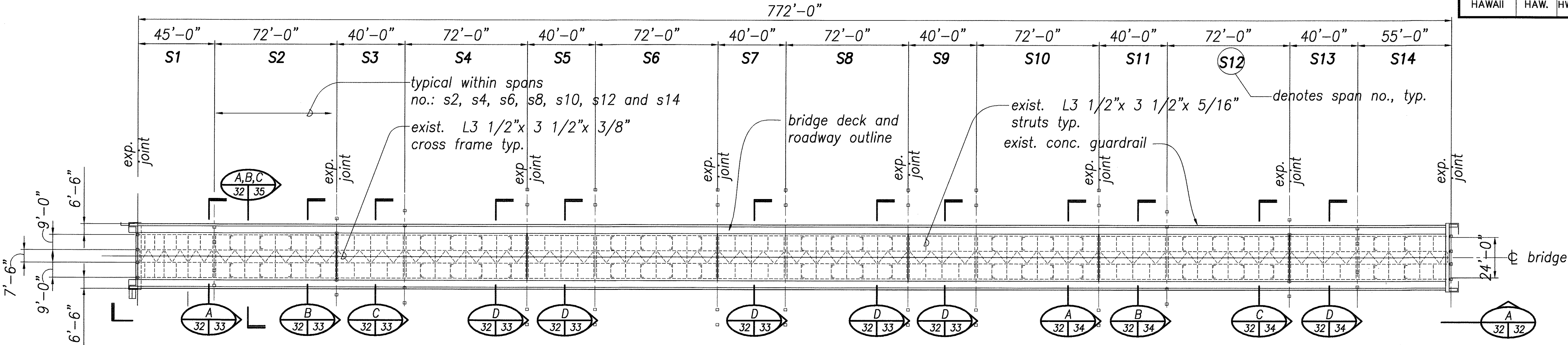


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	32	81

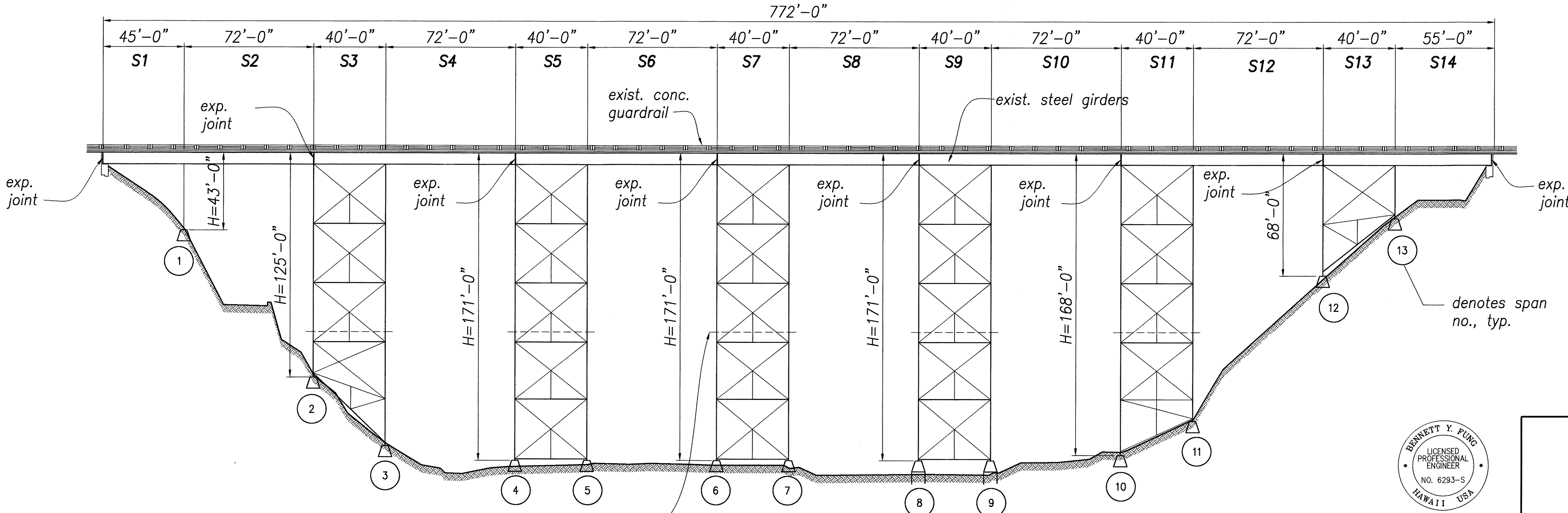
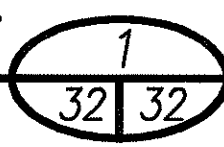
Reference Drawing

- 4 General notes
- 49 Hanging Access Platform System
- 56 Portable Access Platform System
- 59 Trestle Access Platform System
- 74 Life Line System
- 78 Access Plank System



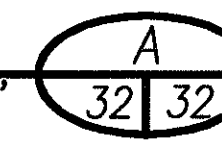
PLAN - HAKALAU BRIDGE

Scale: 1/32" = 1'-0"

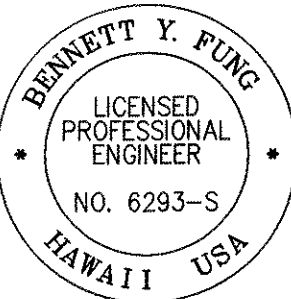


ELEVATION

Scale: 1/32" = 1'-0"



ORIGINAL PLAN	DATE
DESIGNED BY	DATE
TRACED BY	DATE
NOTED BY	DATE
CHECKED BY	DATE



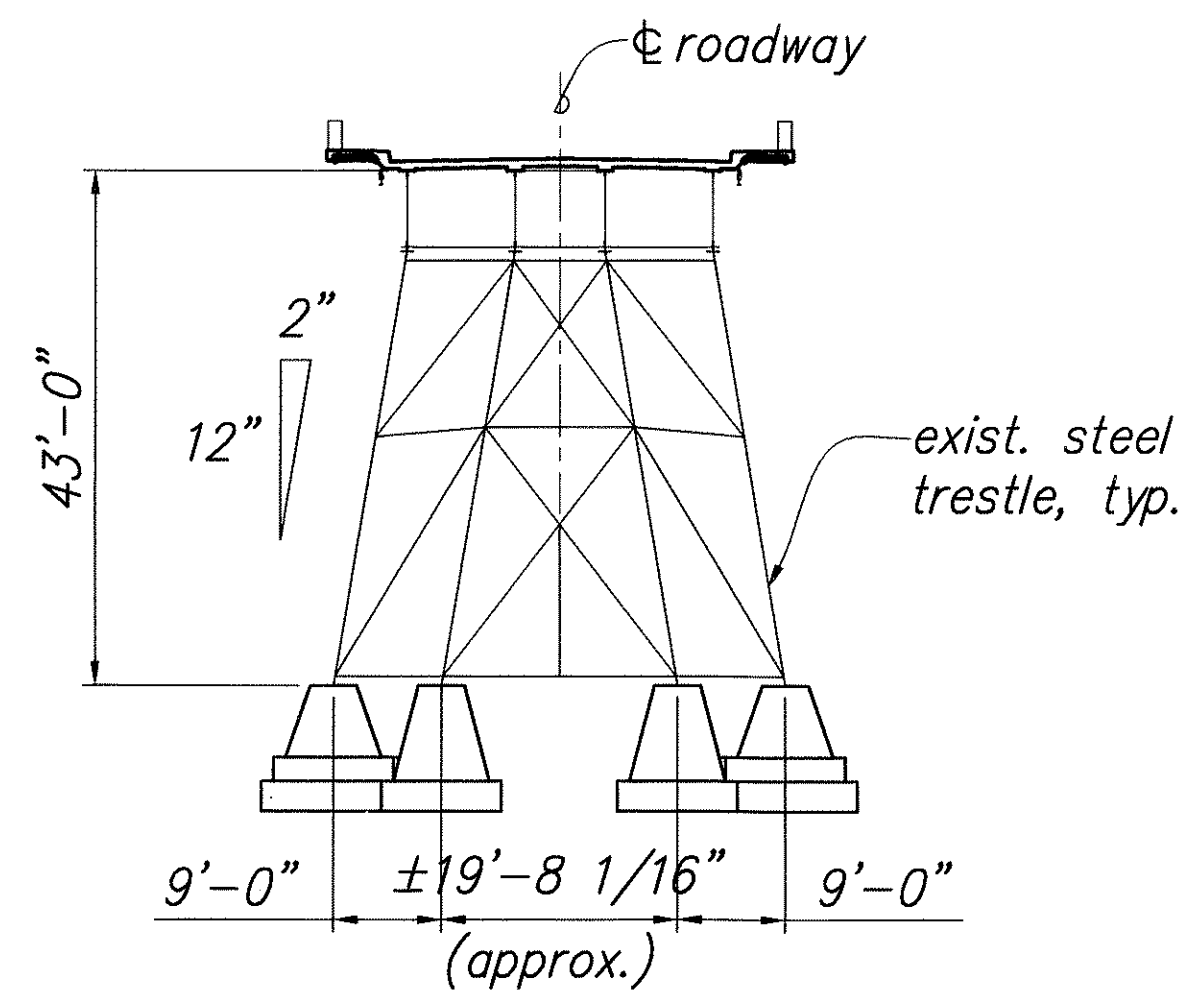
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
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 EXP. DATE OF THE LICENSE: 4/30/06

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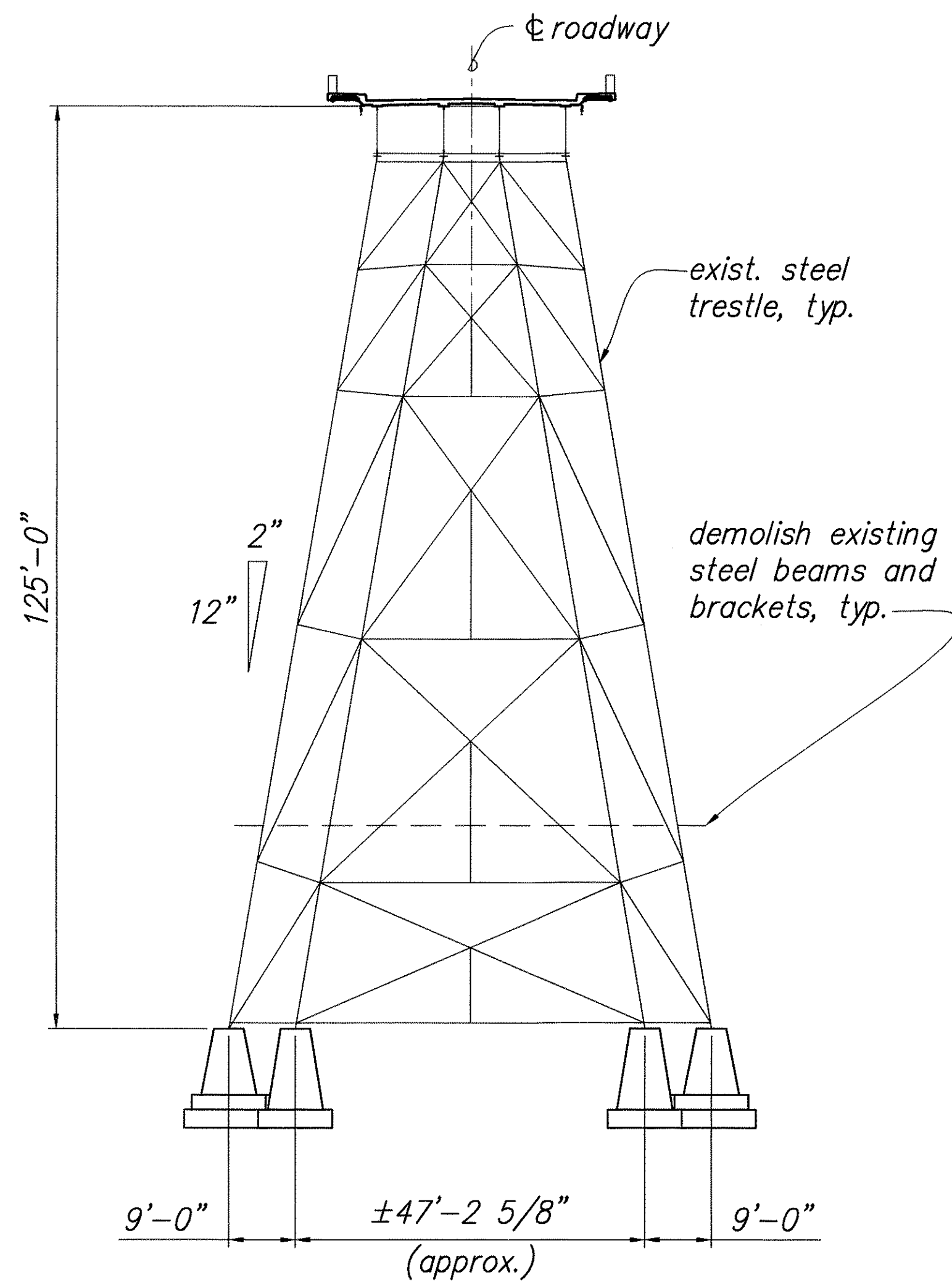
PLAN AND ELEVATION

HAKALAU BRIDGE
 MAINTENANCE PLATFORM ON VARIOUS BRIDGES
 PROJECT NO. HWY-H-09-99M
 Scale: 1/32" = 1'-0" Date: Apr. 2005

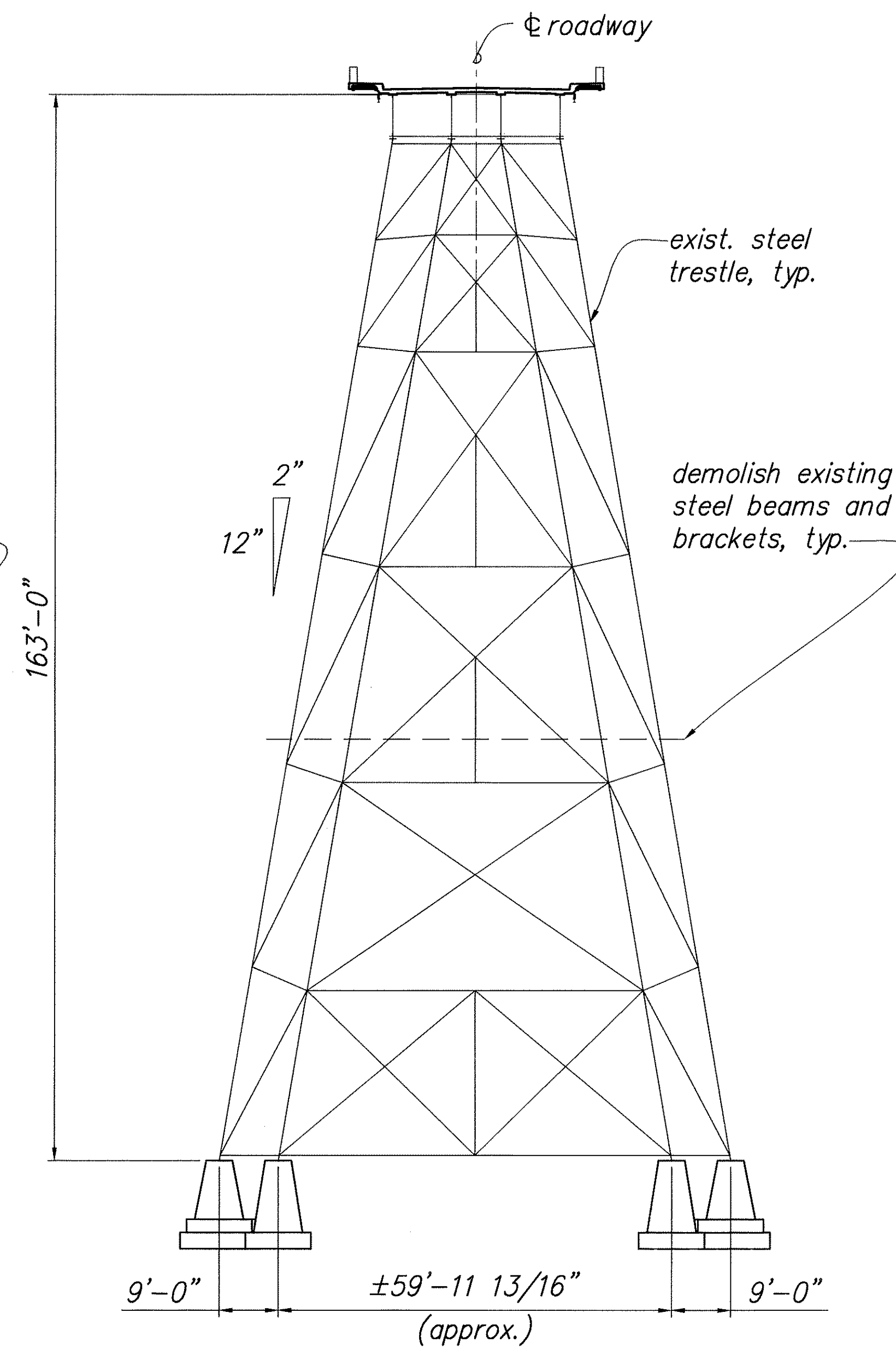
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	33	81



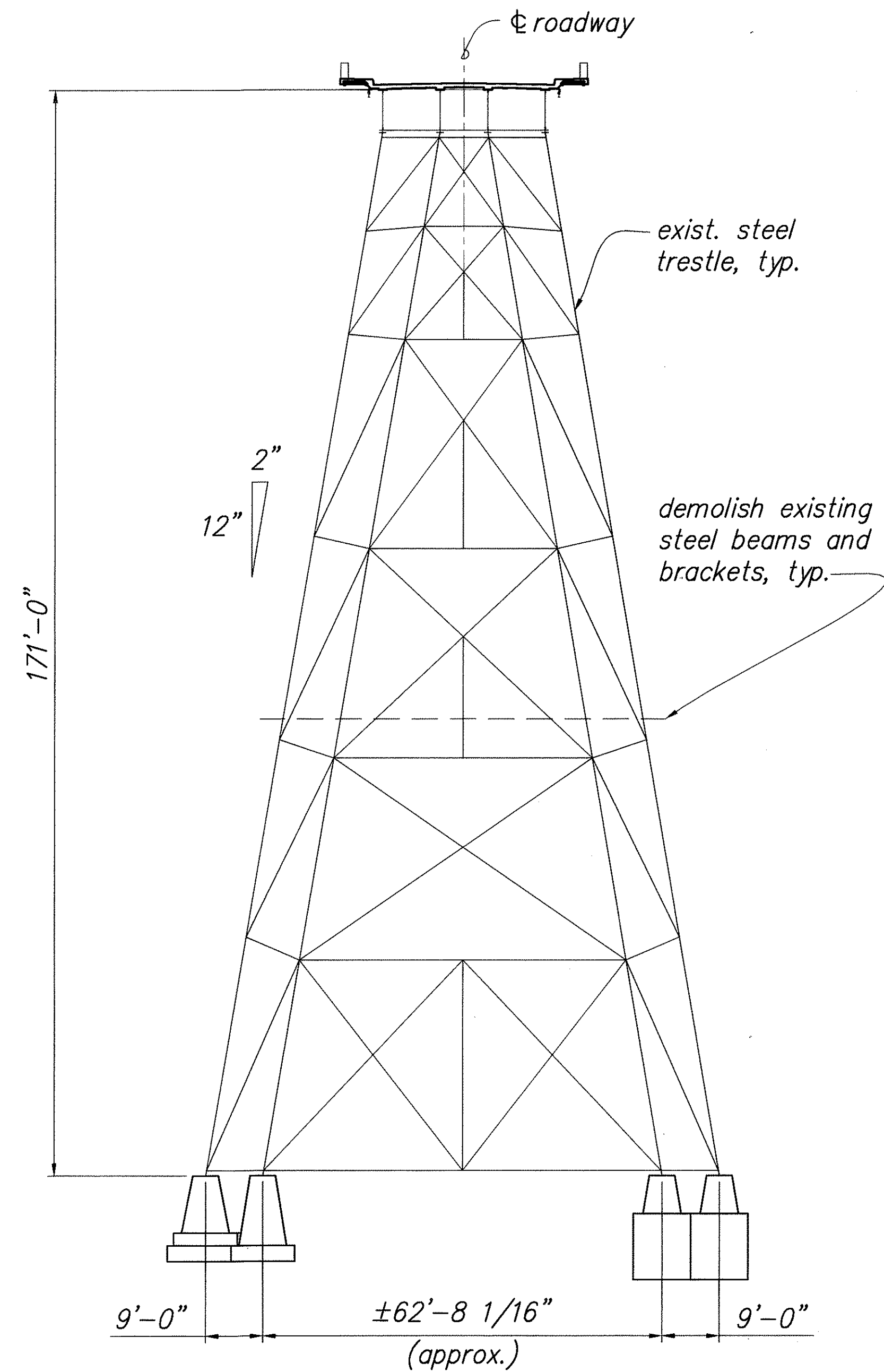
SECTION AT BENT No. 1 A
32 | 33
Scale: 1/16" = 1'-0"



SECTION AT BENT No. 2 B
32 | 33
Scale: 1/16" = 1'-0"

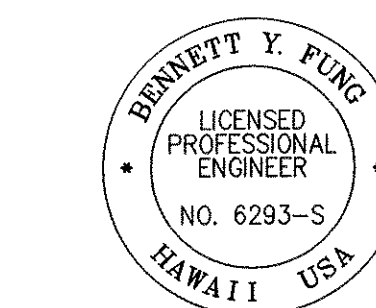


SECTION AT BENT No. 3 C
32 | 33
Scale: 1/16" = 1'-0"



SECTION AT BENT No. 4 To 9 D
32 | 33
Scale: 1/16" = 1'-0"

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



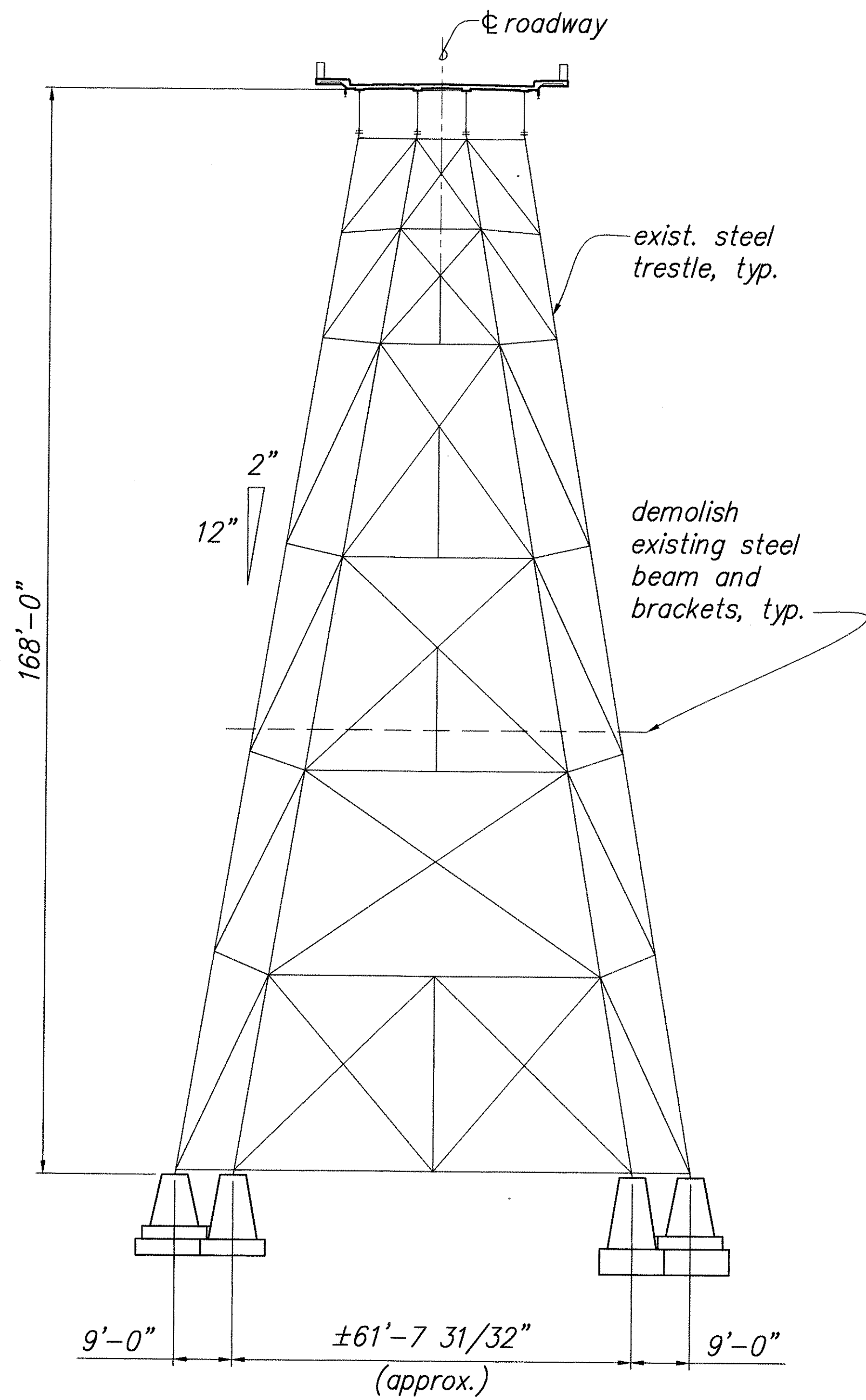
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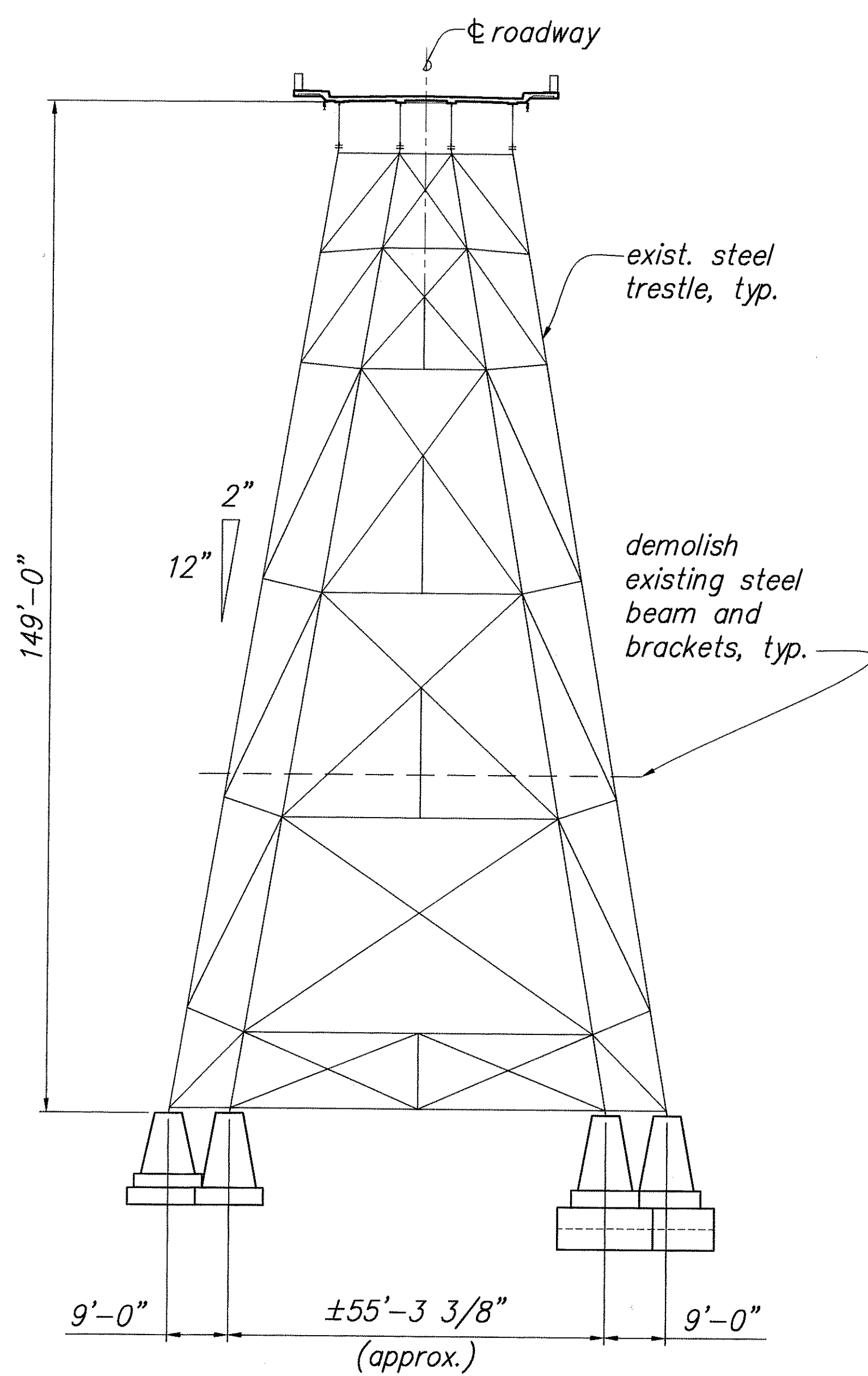
SECTION ELEVATION

HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 1/16" = 1'-0" Date: Apr. 2005

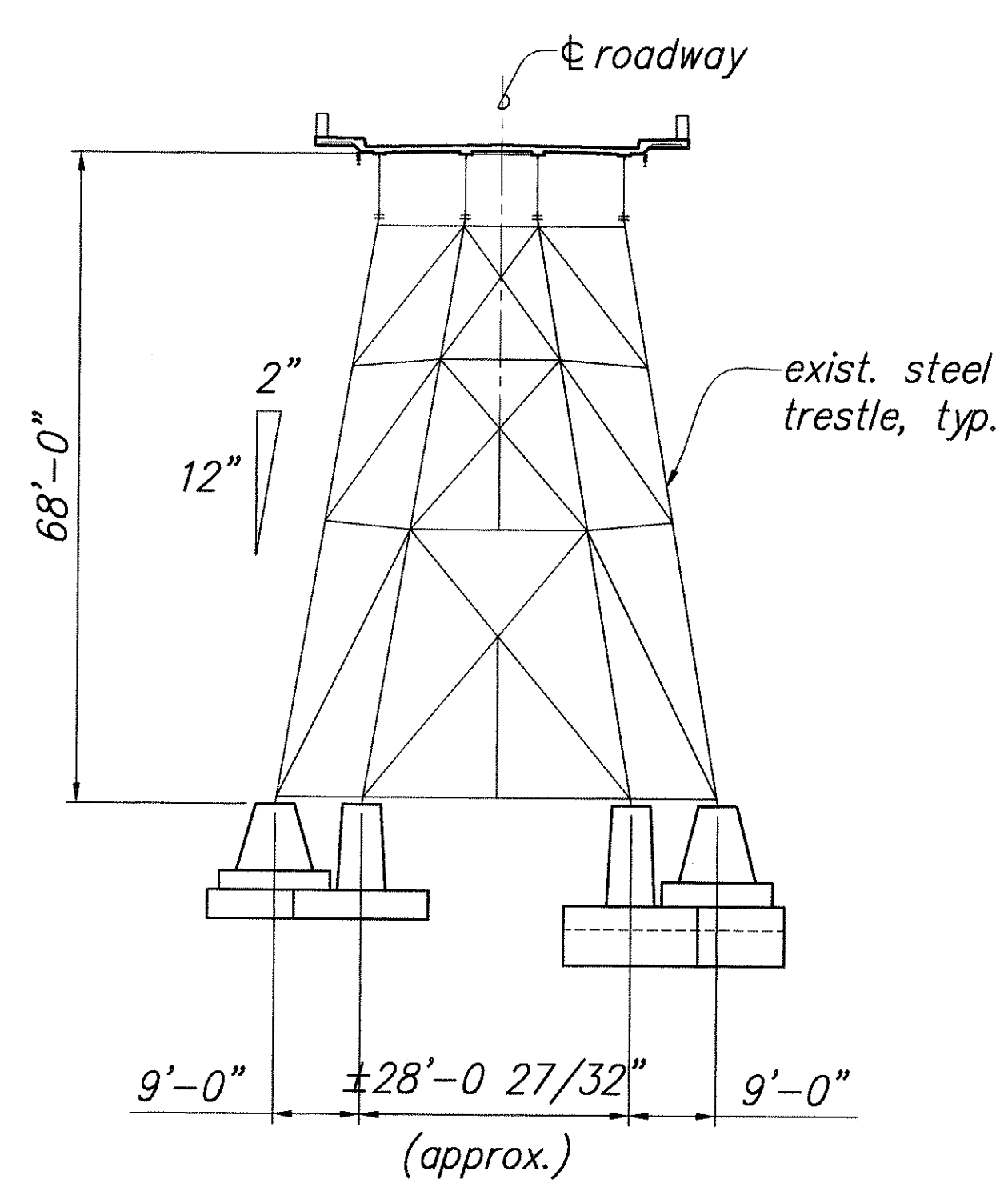
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	34	81



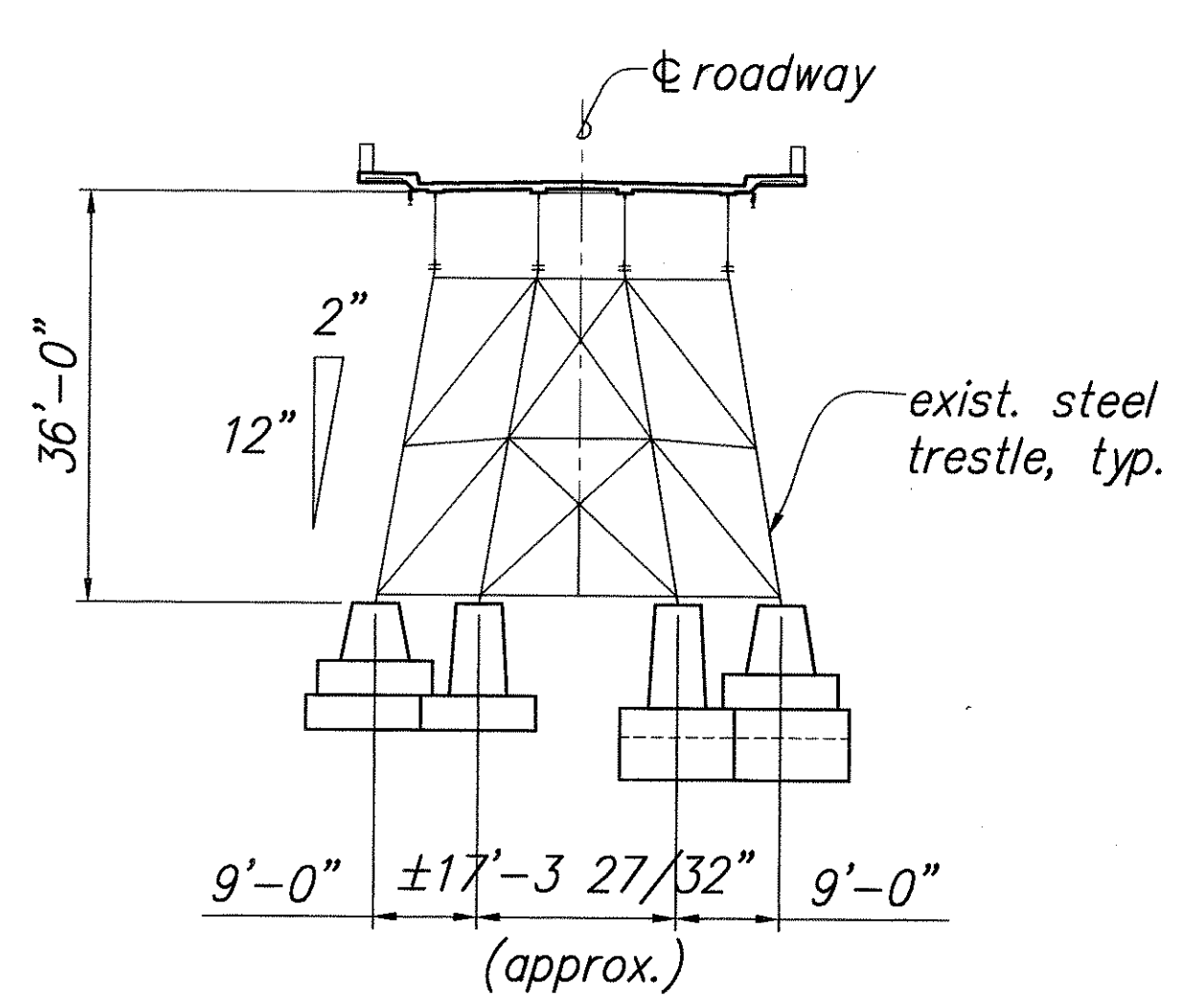
SECTION AT BENT No. 10 A
32 | 34
Scale: 1/16" = 1'-0"



SECTION AT BENT No. 11 B
32 | 34
Scale: 1/16" = 1'-0"

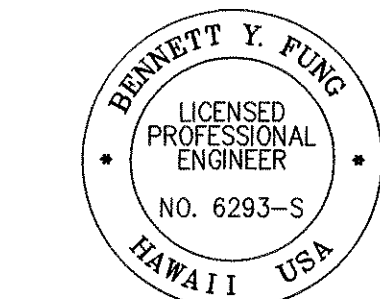


SECTION AT BENT No. 12 C
32 | 34
Scale: 1/16" = 1'-0"



SECTION AT BENT No. 13 D
32 | 34
Scale: 1/16" = 1'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	"
DESIGNED BY	"
QUANTITIES BY	"
CHECKED BY	"
NO.	"



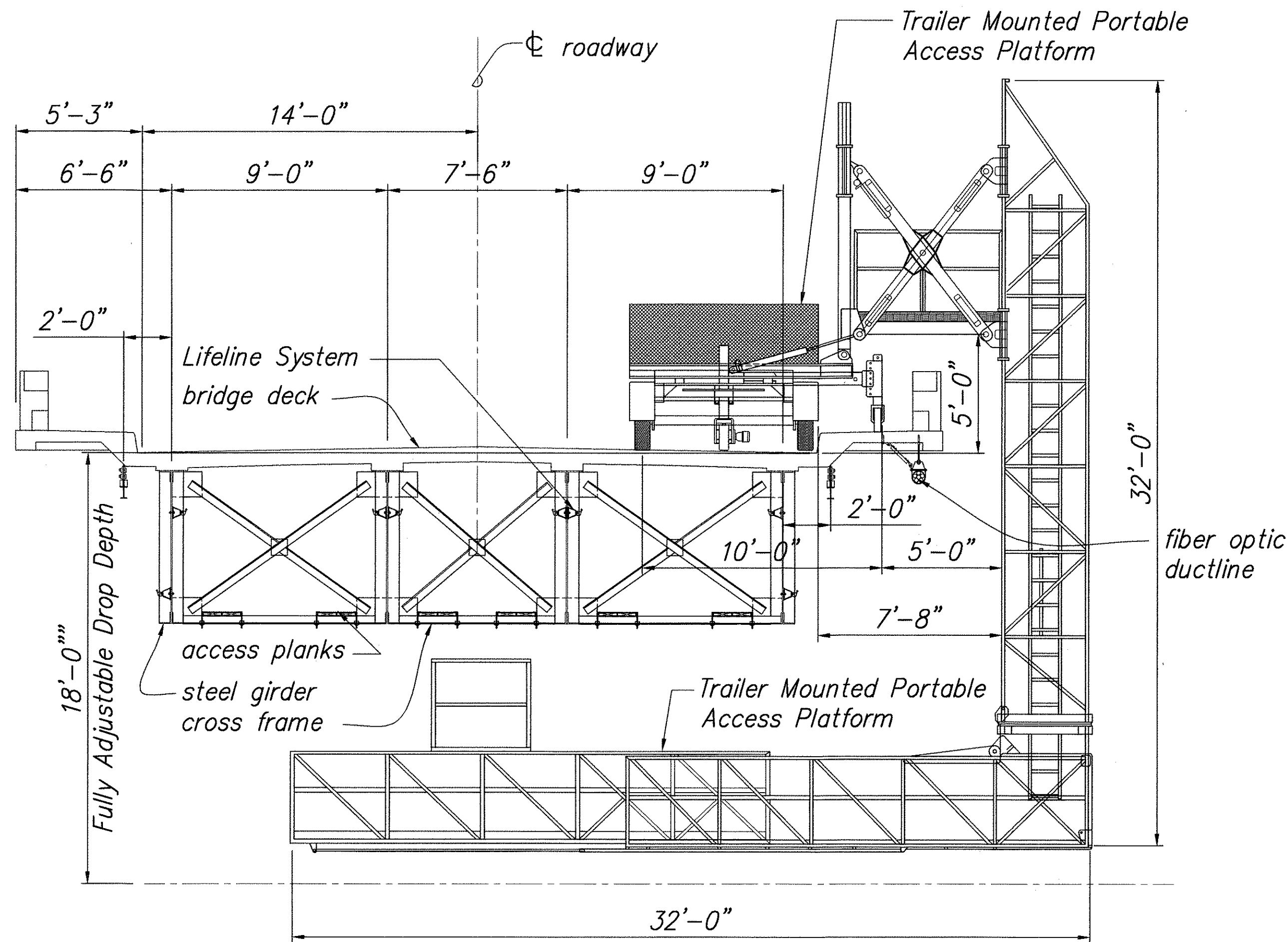
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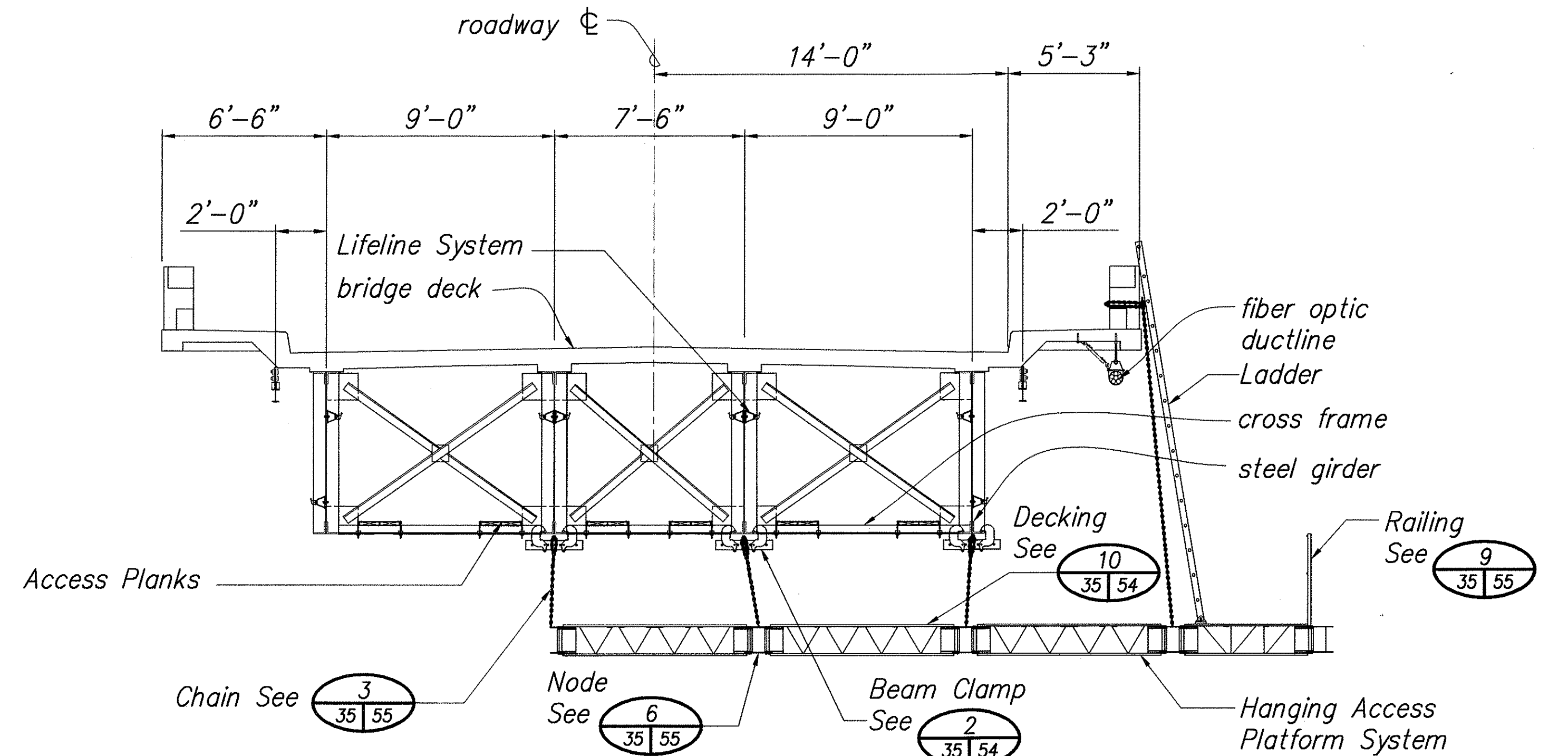
SECTION ELEVATION
 HAKALAU BRIDGE
 MAINTENANCE PLATFORM ON VARIOUS BRIDGES
 PROJECT NO. HWY-H-09-99M
 Scale: 1/16" = 1'-0" Date: Apr. 2005

Sheet No. 34 Of 81 Sheets

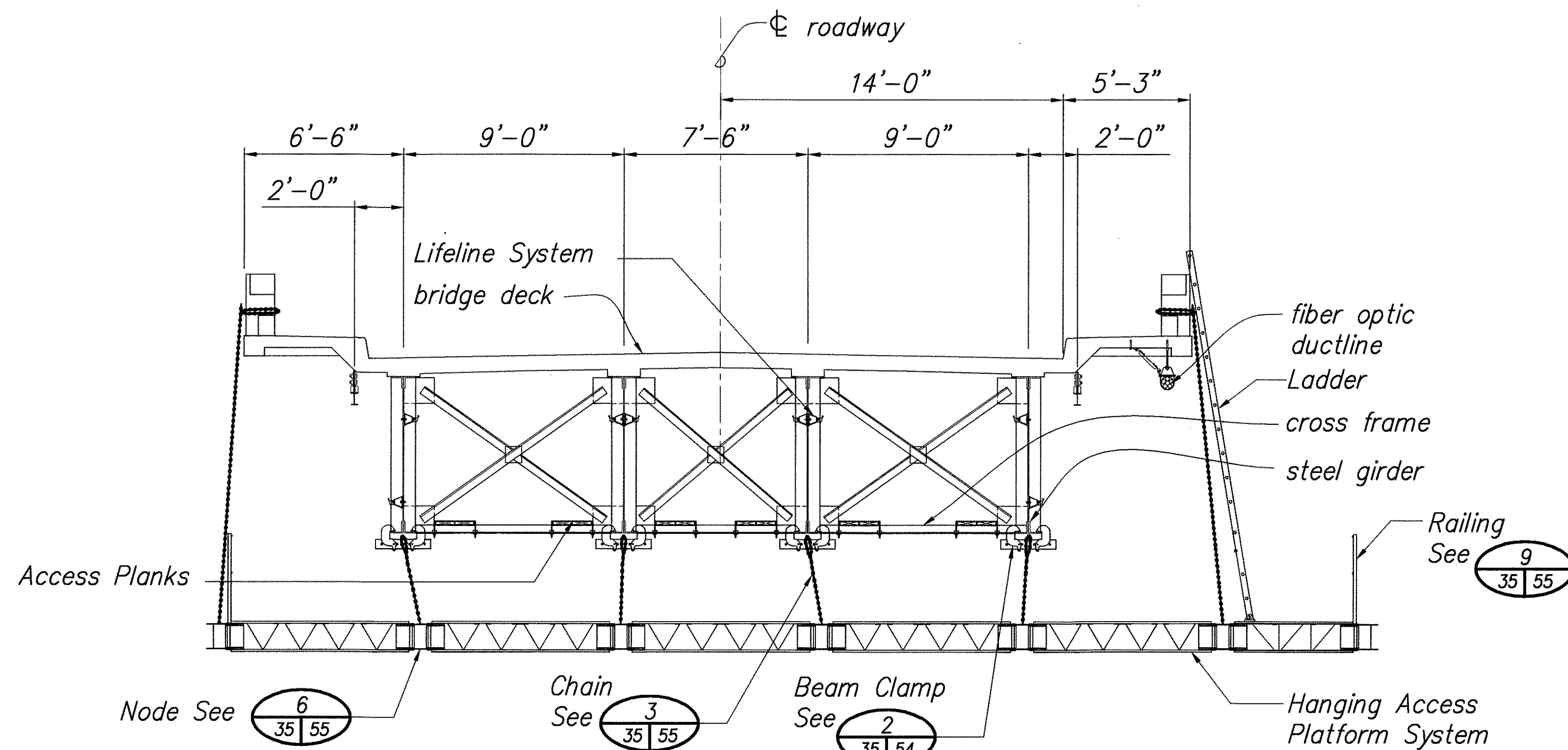
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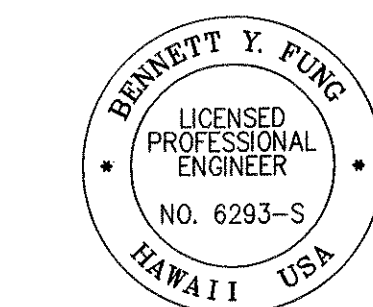
SECTION WITH PORTABLE ACCESS PLATFORM
Scale: 1/4" = 1'-0"



SECTION WITH HANGING ACCESS PLATFORM CONFIGURATION No. 1
Scale: 1/4" = 1'-0"



SECTION WITH HANGING ACCESS PLATFORM CONFIGURATION No. 2
Scale: 1/4" = 1'-0"



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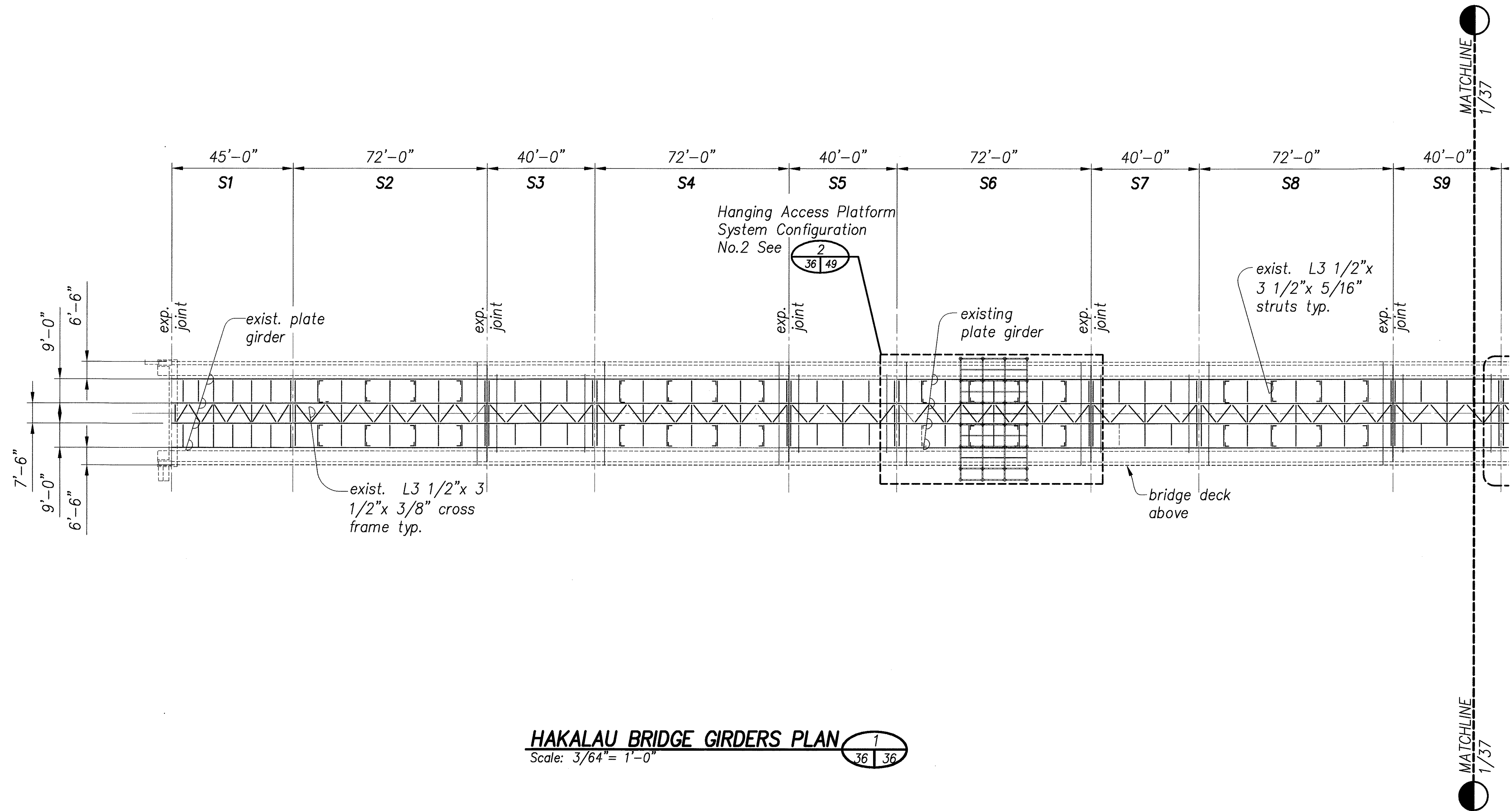
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTION

HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 1/4" = 1'-0" Date: Apr. 2005
Sheet No. 35 Of 81 Sheets

ORIGINAL PLAN	DATE
SURVEY LOCATED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
NO.	

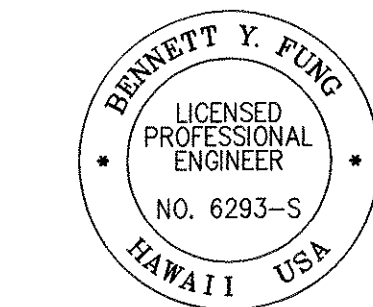
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HAWAII	HAW.	HWY-H-09-99M	2005	36	81



HAKALAU BRIDGE GIRDERS PLAN
Scale: 3/64" = 1'-0"

1/36 36

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



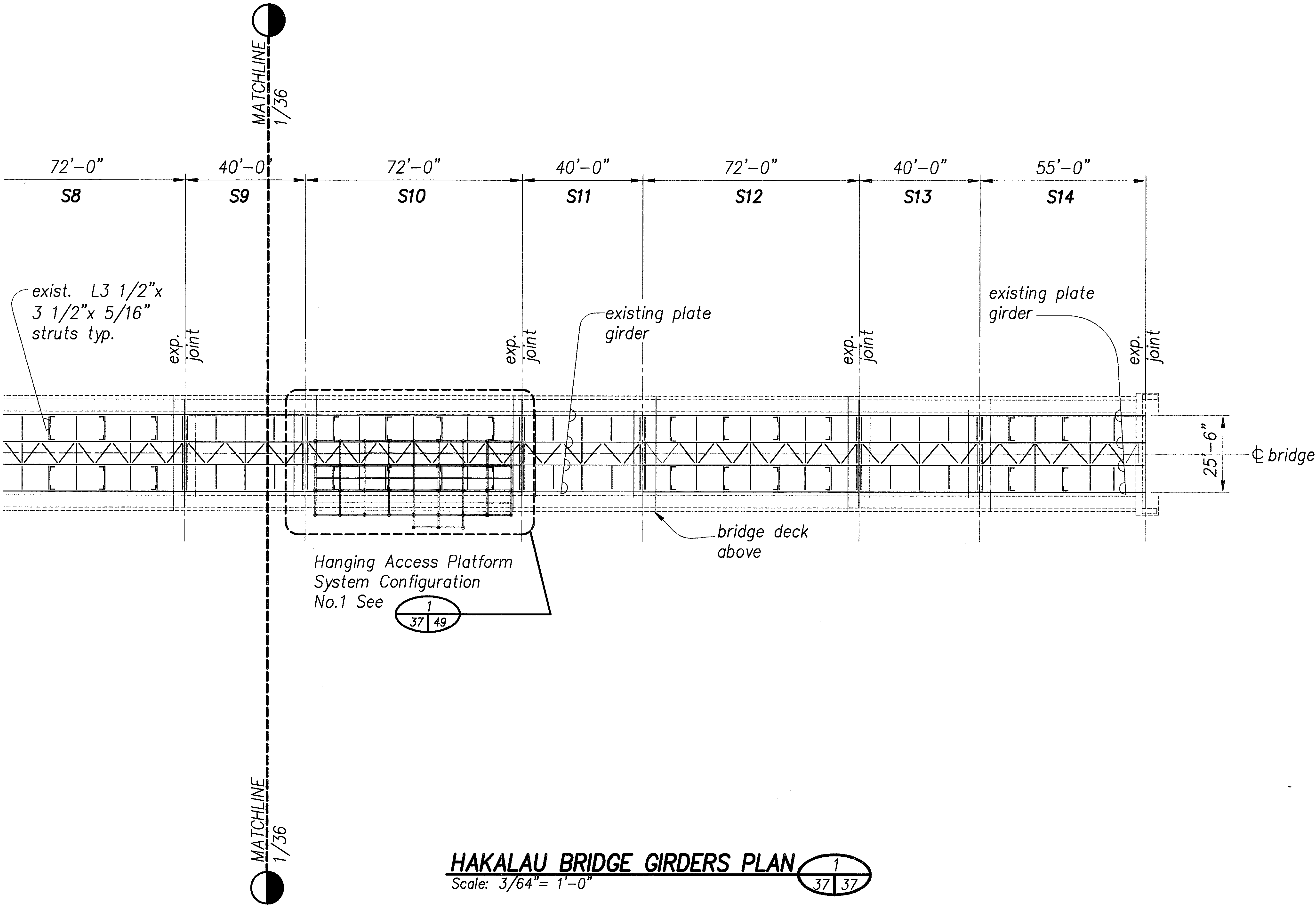
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SIGNATURE
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EXP. DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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GIRDERS PLAN

HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 3/64" = 1'-0" Date: Apr. 2005
Sheet No. 36 Of 81 Sheets

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	37	81



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

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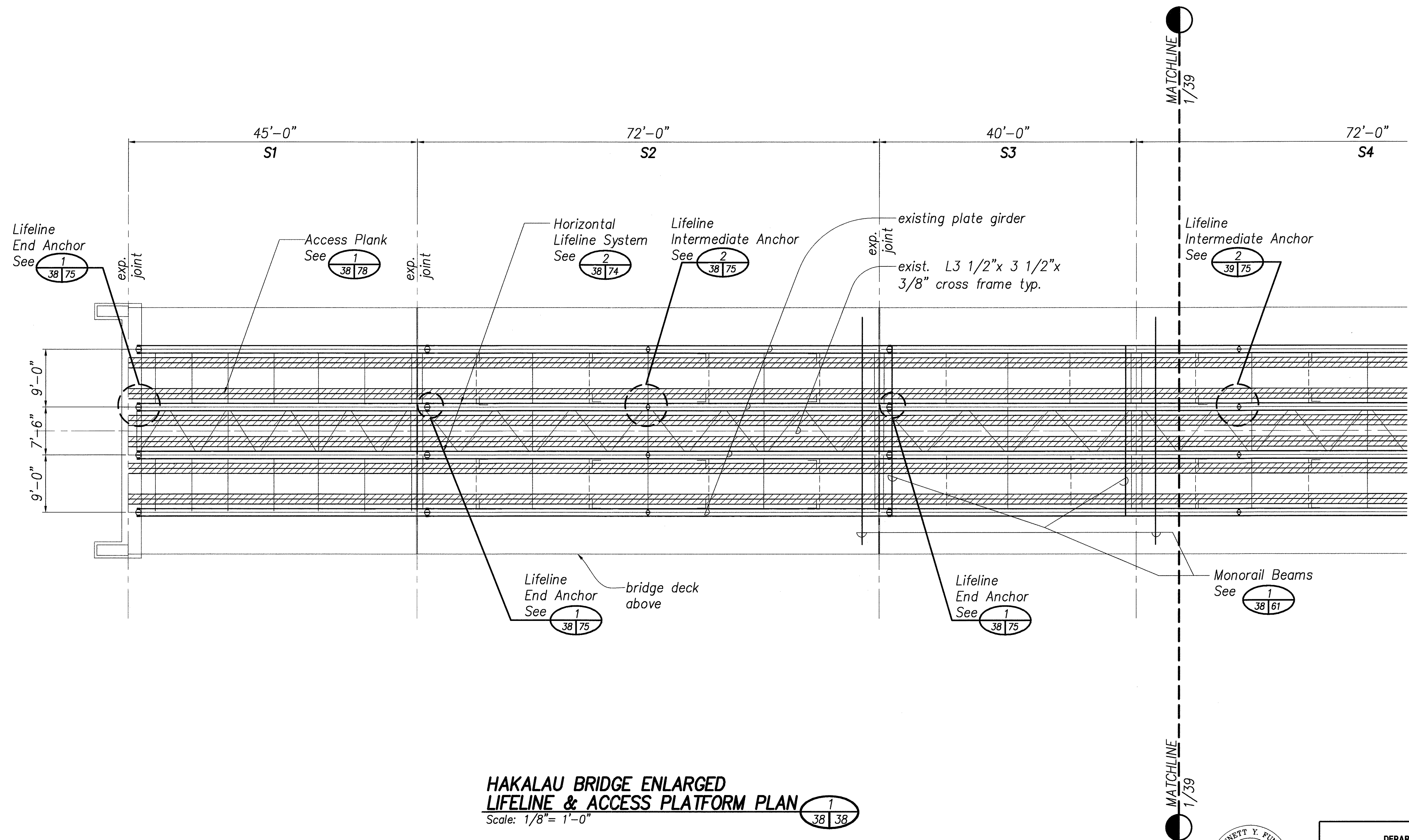
STATE OF HAWAII
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HIGHWAYS DIVISION

GIRDERS PLAN

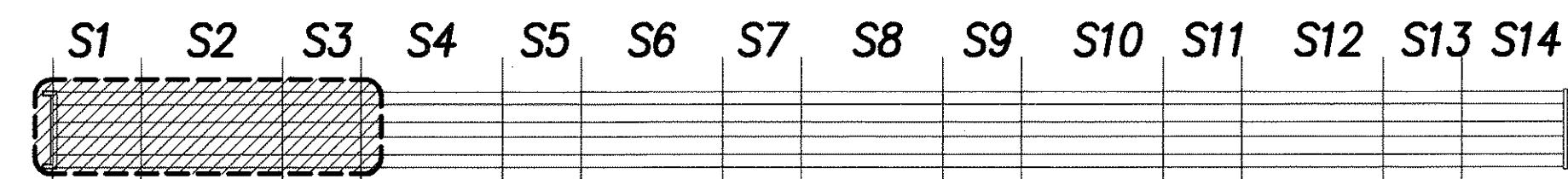
HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 3/64" = 1'-0" Date: Apr. 2005

Sheet No. 37 Of 81 Sheets

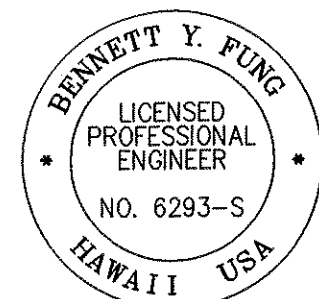
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	38	81



**HAKALAU BRIDGE ENLARGED
LIFELINE & ACCESS PLATFORM PLAN** 1/38/38
Scale: 1/8" = 1'-0"



Key Plan

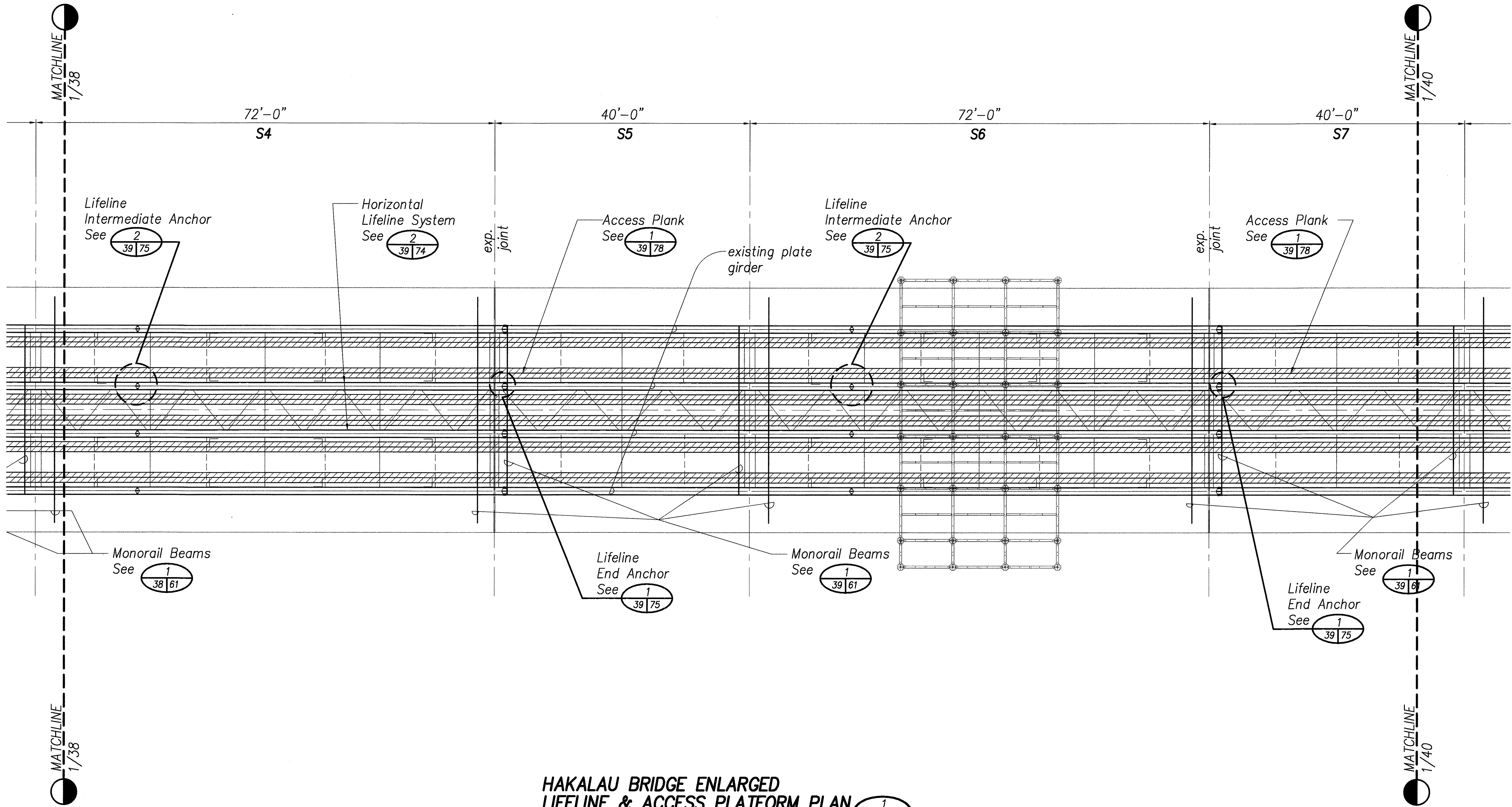


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STATE OF HAWAII
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HIGHWAYS DIVISION
**ENLARGED LIFELINE SYSTEM,
PLANKING AND ACCESS
PLATFORM PLAN**
HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 1/8" = 1'-0" Date: Apr. 2005
Sheet No. 38 Of 81 Sheets

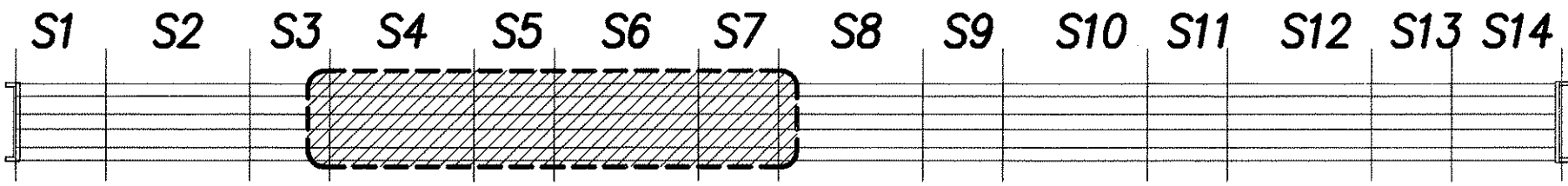
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	" "
	DESIGNED BY	" "
	CHECKED BY	" "
		" "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	39	81

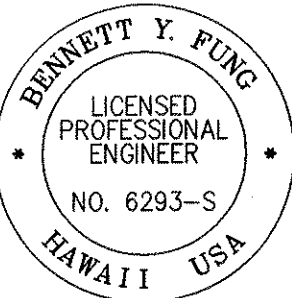


**HAKALAU BRIDGE ENLARGED
LIFELINE & ACCESS PLATFORM PLAN**
Scale: 1/8" = 1'-0"

1/39/39



Key Plan



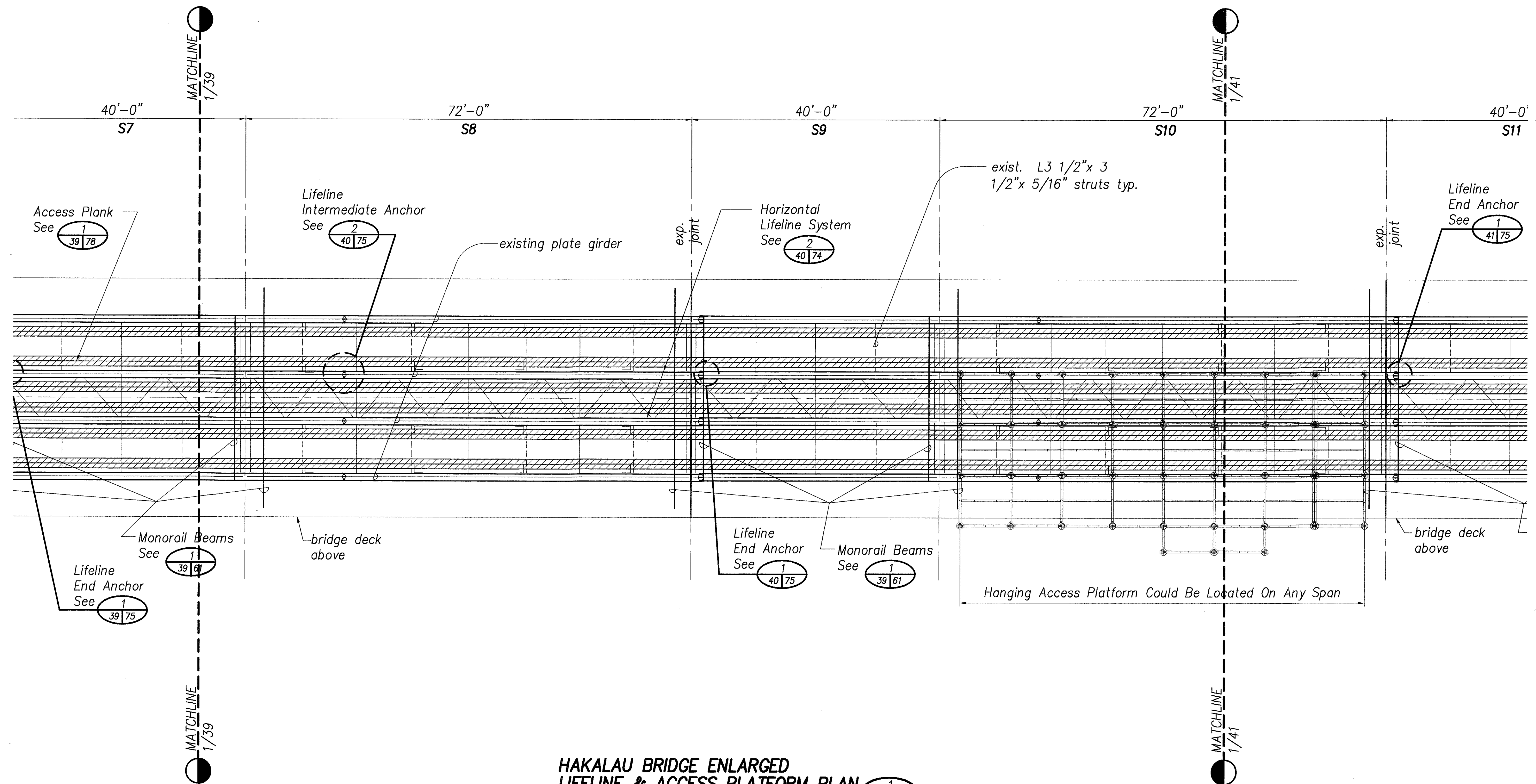
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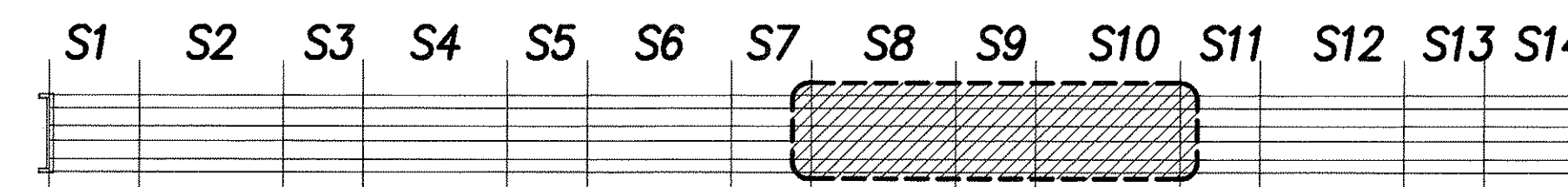
**ENLARGED LIFELINE SYSTEM,
PLANKING AND ACCESS
PLATFORM PLAN**
HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 1/8" = 1'-0" Date: Apr. 2005

ORIGINAL PLAN	DATE
SURVEY LOCATED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

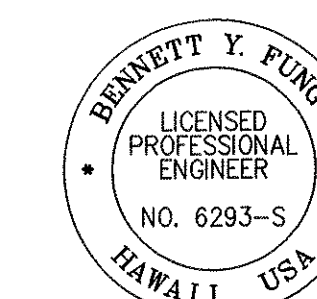
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	40	81



**HAKALAU BRIDGE ENLARGED
LIFELINE & ACCESS PLATFORM PLAN**
Scale: 1/8" = 1'-0"



Key Plan

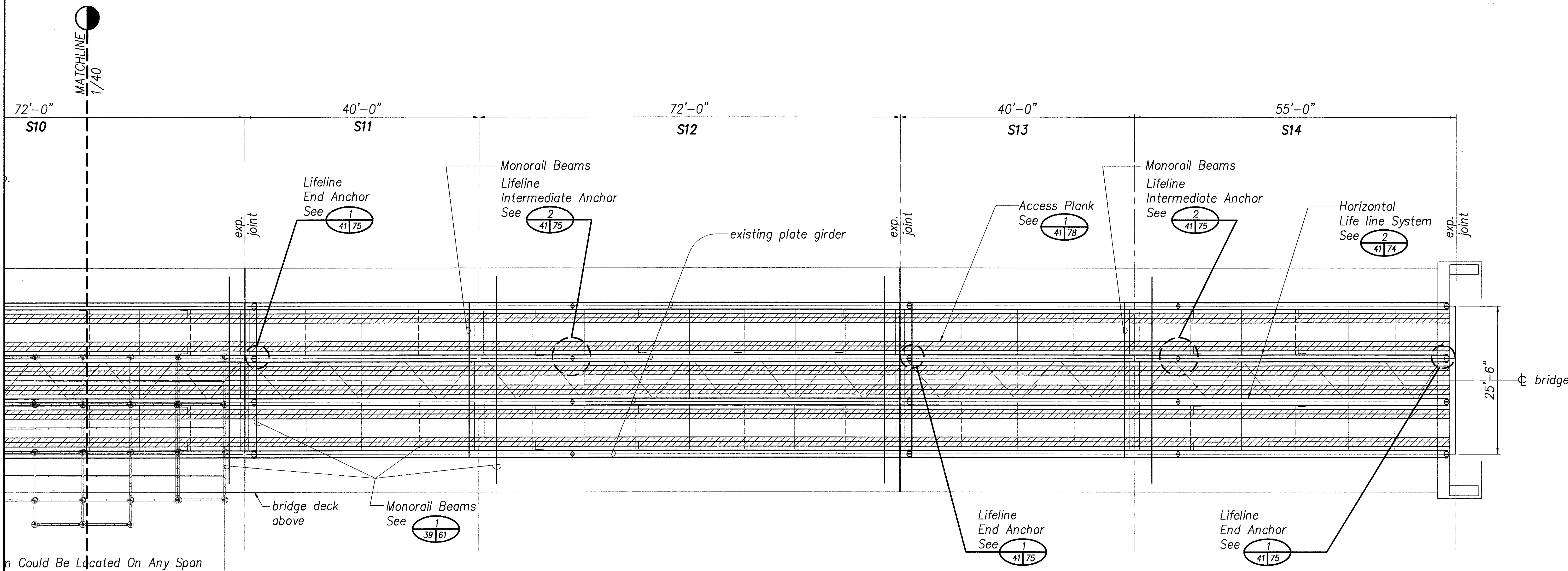


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STATE OF HAWAII
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HIGHWAYS DIVISION
**ENLARGED LIFELINE SYSTEM,
PLANKING AND ACCESS
PLATFORM PLAN**
HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 1/8" = 1'-0" Date: Apr. 2005
Sheet No. 40 Of 81 Sheets

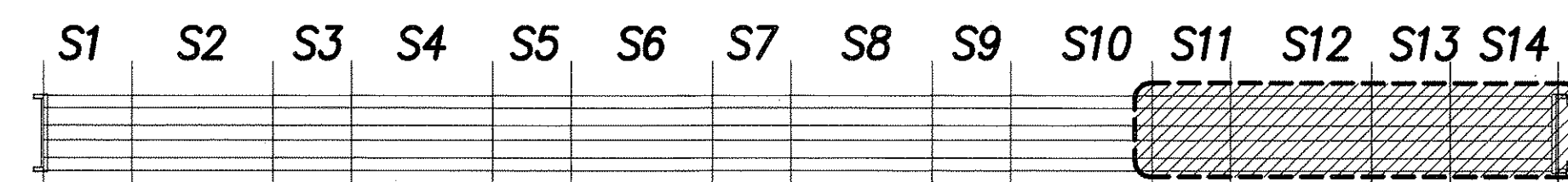
SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-09-99M	2005	41	81

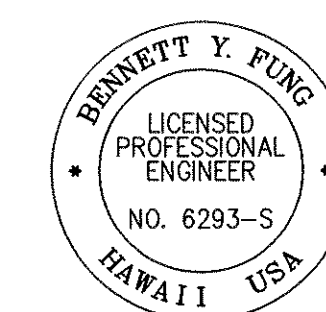


HAKALAU BRIDGE ENLARGED LIFELINE & ACCESS PLATFORM PLAN
 Scale: 1/8" = 1'-0"

1/41 41



Key Plan



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STATE OF HAWAII
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HIGHWAYS DIVISION
**ENLARGED LIFELINE SYSTEM,
PLANKING AND ACCESS
PLATFORM PLAN**
HAKALAU BRIDGE
MAINTENANCE PLATFORM ON VARIOUS BRIDGES
PROJECT NO. HWY-H-09-99M
Scale: 1/8" = 1'-0" Date: Apr. 2005
Sheet No. 41 Of 81 Sheets

SURVEY PLOTTED BY	DATE
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CHECKED BY	" "
NOTE BOOK	" "
No.	" "