

**KEY MAP**

**STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES**

**PLAN AND PROFILE  
PROPOSED HIGHWAY PROJECT  
HES - 000S(43)  
GLACIER HIGHWAY GUARDRAIL**

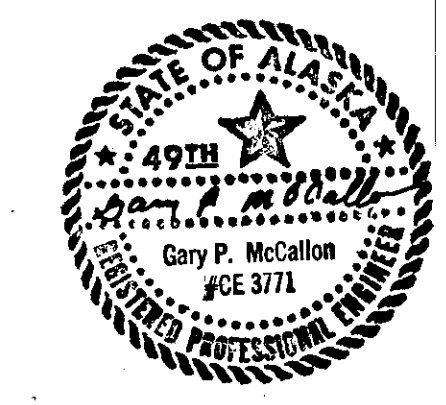
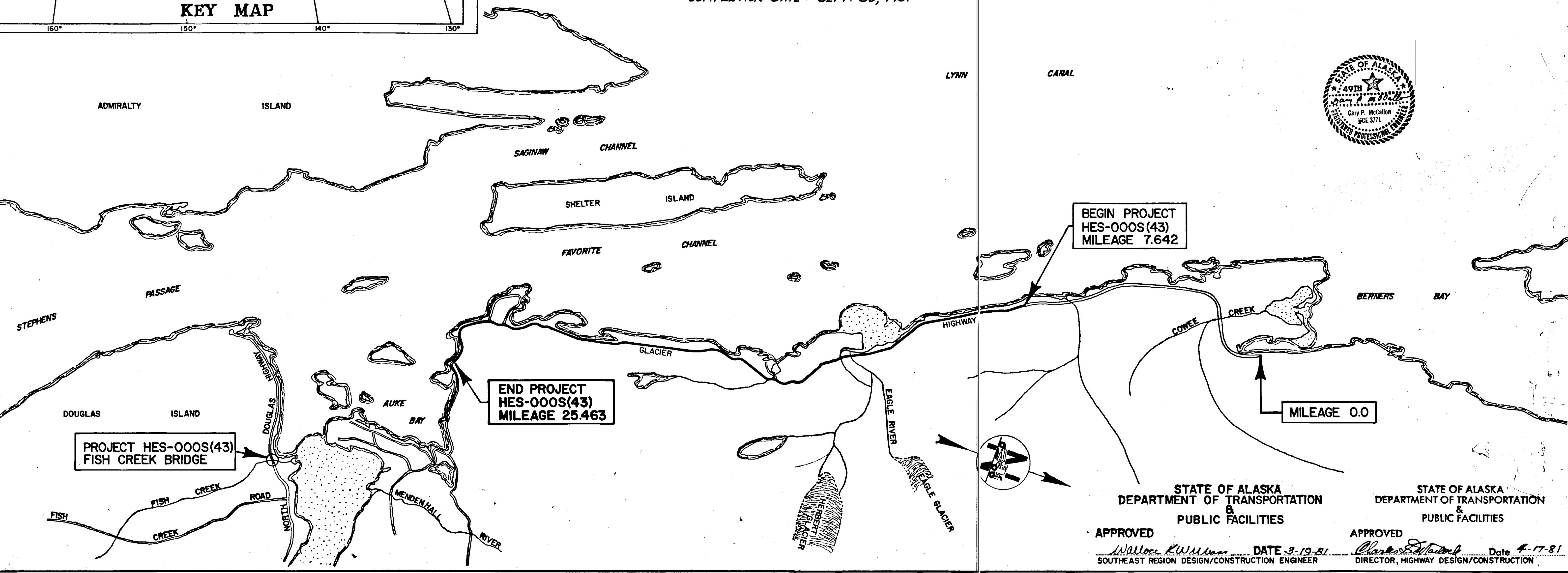
*AS-BUILT PLANS*

CONTRACTOR: CORAL CONST. CO.  
PROJECT ENGINEER: PHIL R. SPEER  
BEGINNING DATE: AUG. 4, 1981  
COMPLETION DATE: SEPT. 30, 1981

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	HES-000S(43)	1	3

INDEX OF SHEETS	
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES SUMMARY TABLES
3	BRIDGE CONNECTION DETAILS

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT: A-1, C-00.04, C-10.04, C-11.04, G-04.15, G-04.34, G-13.16, G-14.08, G-15.00, G-18.12, G-24.01, G-24.11.



BEGIN PROJECT  
HES-000S(43)  
MILEAGE 7.642

END PROJECT  
HES-000S(43)  
MILEAGE 25.463

PROJECT HES-000S(43)  
FISH CREEK BRIDGE

MILEAGE 0.0

APPROVED

*Wallace K. Williams* DATE 3-19-81  
SOUTHEAST REGION DESIGN/CONSTRUCTION ENGINEER

APPROVED

*Charles E. ...* DATE 4-17-81  
DIRECTOR, HIGHWAY DESIGN/CONSTRUCTION

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES

STATE OF ALASKA  
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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-000S(43)	1981	2	3

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
110(1)	Mobilization	L.S.	All Required
111(1)	Temporary Erosion & Pollution Control	L.S.	All Required
115(1)	Traffic Maintenance	L.S.	All Required
606(1)	Beam Type Guard Rail, Type I Post	L.F.	#1,212.5
606(1A)	Beam Type Guard Rail, Type I Post w/Salvaged Rail	L.F.	#9500
606(5)	Removal & Disposal of Guard Rail	L.F.	#1,637.5
606(6)	End Anchorages	Ea.	65

14,357.5  
6,662.5  
12,337.5  
59

ESTIMATE OF QUANTITIES & SUMMARY TABLES

GENERAL NOTES

- The basis of mileage stationing for this project is Mile 0.000 which is located at the end of Project FH-2-4(3), Bridget Cove to Echo Cove. The beginning of this project is located at the beginning of pavement at mileage 07642.
- Guard rail lengths and locations are approximate only and may be subject to minor field adjustments.
- Guard rail alignment will be in accordance with the applicable standard drawings and as staked by the Engineer.
- All salvaged rail elements utilized and paid for under Item 606(1A) Beam Type Guard Rail, Type I Post with Salvaged Rail will require the approval of the Engineer. This rail (approximately 9,500 L.F.) shall be installed in continuous runs. Alternating of old and new rail elements will not be allowed.
- All modifications as detailed on Sht. No. 3 shall be paid for under Item 606(6), End Anchorages. Additional steel posts will be required on Eagle River Bridge, Herbert River Bridge and Peterson Creek Bridge terminal transitions, as the existing terminal transitions utilize W6 x 8.5 steel posts. This item of work shall be considered incidental to other items of work and no separate payment will be made therefore. The modifications required at Eagle River Bridge, Herbert River Bridge, and Peterson Creek Bridge shall include removing existing posts of the wrong sizing, furnishing and driving steel posts in accordance with Standard Drawing G-24.01, and connecting the rail to the bridge as detailed on Sht. No. 3. The modifications required at Fish Creek Bridge shall include removing and disposing of 50 L.F. of damaged rail, installing new rail and connecting the rail to the bridge as detailed on Sht. No. 3. The removal and disposal of 50 L.F. of rail and the installation of new rail shall be considered incidental to other items of work and no separate payment will be made therefore.

GUARD RAIL SUMMARY

BEGINNING MILEAGE	GUARD RAIL INSTALLATION	END SECTIONS	LT.	RT.	REMOVE & DISPOSE OF GUARD RAIL	REMARKS
7642	<del>1925.0</del> 1987.5	1		X	1875.0	Connect to Existing; Bury End Section. Standard
8.254	462.5	2		X	387.5	
8.505	<del>1925.0</del>	2		X		
8.511	1900.0			X	912.5	Bury End Section
8.721				X	1425.0	
9.039				X	1950.0	
9.558	2000.0	2		X		
9.585				X	512.5	
10.008				X		Mile Post 31
10.161	712.5	2		X		
10.450	1887.5	2		X		
10.514				X	1550.0	
10.607	<del>100.0</del> 137.5	2		X	100.0	
10.951				X		Mile Post 30
11.022	287.5	2		X	237.5	
11.616	<del>112.5</del> 150.0	2		X	112.5	
12.611	<del>25.0</del>	1		X		Begin Eagle River Bridge; All Steel Posts
12.616	100.0	1		X		
12.625				X		2 Bridge Connections*
12.666				X		2 Bridge Connections*
12.675	<del>25.0</del>	1		X		Steel Posts
12.675	100.0	1		X		End Eagle River Bridge

GUARD RAIL SUMMARY (Cont'd.)

BEGINNING MILEAGE	GUARD RAIL INSTALLATION	END SECTIONS	LT.	RT.	REMOVE & DISPOSE OF GUARD RAIL	REMARKS
13.110	<del>25.0</del>	1		X		Begin Herbert River Bridge; All Steel Posts
13.116	100.0	1		X		
13.126				X		2 Bridge Connections*
13.154				X		2 Bridge Connections*
13.163		1		X		
13.163	<del>25.0</del>	1		X		End Herbert River Bridge
13.711	100.0			X		Mile Post 27
16.113	<del>25.0</del>	1		X		Begin Peterson Creek Bridge; All Steel Posts
16.118	100.0	1		X		
16.127				X		2 Bridge Connections*
16.150				X		2 Bridge Connections*
16.159		1		X		
16.159	<del>25.0</del>	1		X		End Peterson Creek Bridge
16.640	<del>500.0</del> 425.0	2		X	500.0	
17.032	<del>725.0</del> 137.5	2		X	200.0	
17.277	350.0	2		X		
20.736	<del>3600.0</del>	2		X		
20.791	3187.5			X	525.0	
20.899				X	725.0	
21.153				X	325.0	
21.400				X	300.0	
21.517	<del>1375.0</del> 1325.0	2		X		
24.416	<del>250.0</del> 215.0	2		X		
25.256	<del>725.0</del> 575.0	2		X		
25.463	<del>425.0</del> 45.0	2		X		Bury End Section
North Douglas Highway		4		X		Fish Creek Bridge; 4 Bridge Connections*

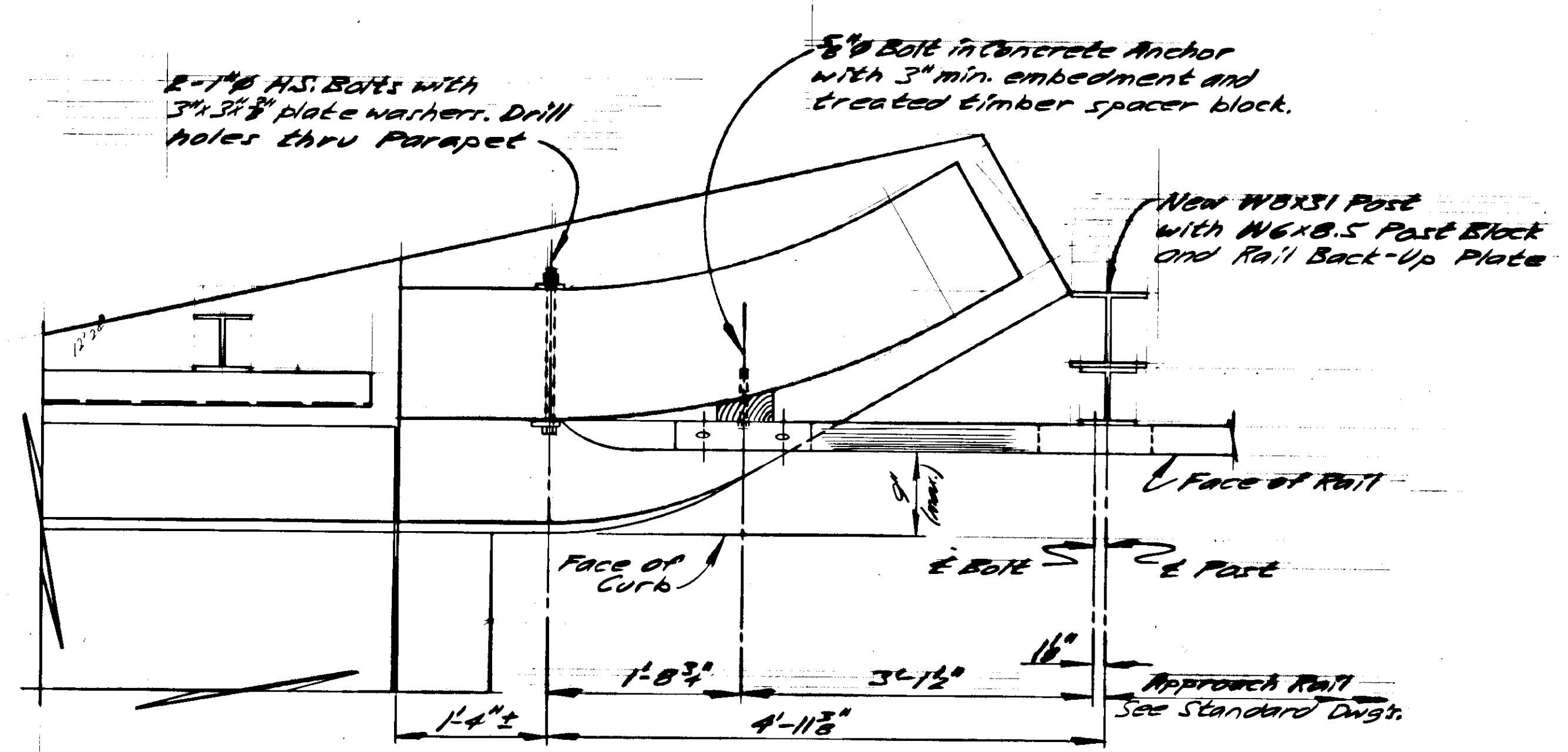
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\* See Details on Sht. No. 3

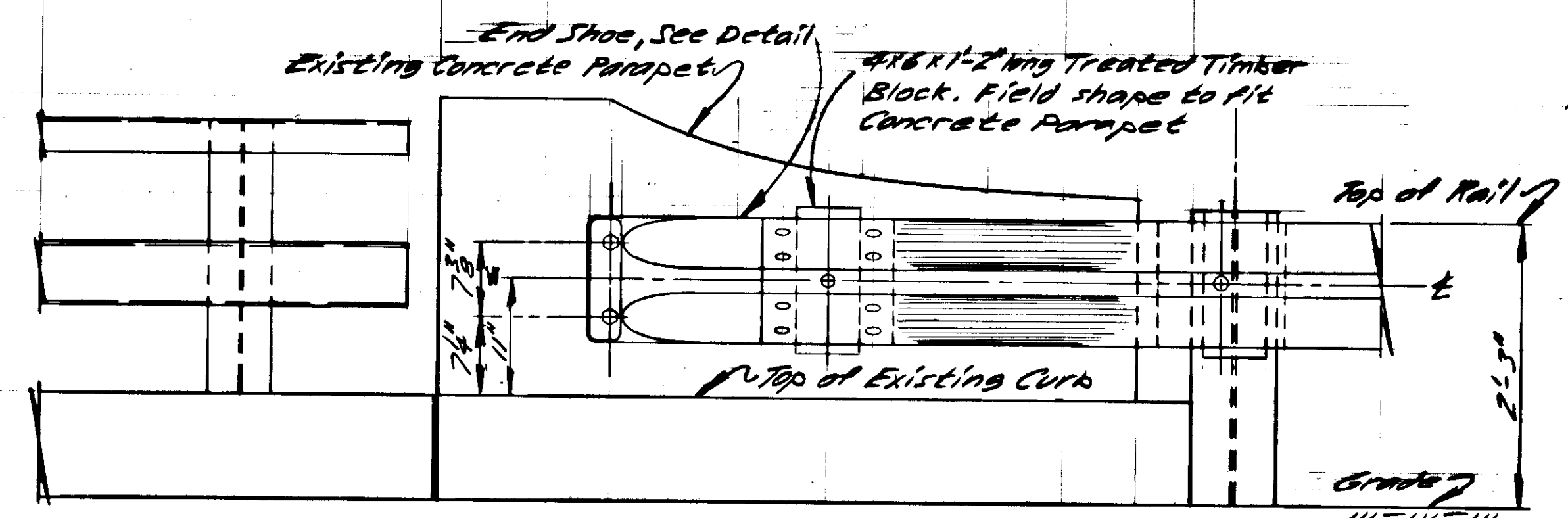
END ANCHORAGES SUMMARY

45	<del>47</del> Standard End Sections (Standard Drawing G-13.15)
12	<del>16</del> Bridge Connections (Details Sht. No. 3)
	2 Bury End in Backslope (Standard Drawing G-15.00)
59	<del>65</del> TOTAL

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-000S(43)	1981	3	3

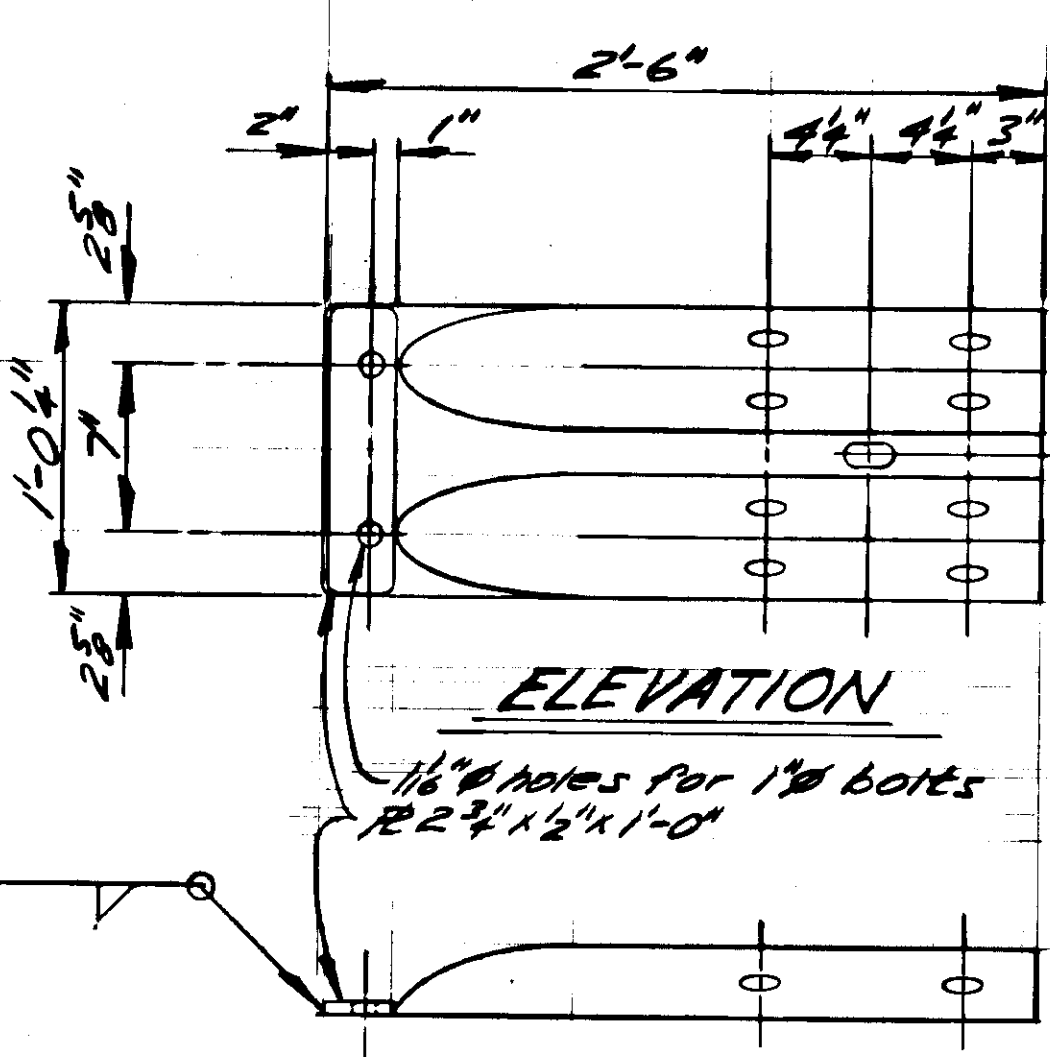


PLAN



ELEVATION  
129630  
In. Ft.

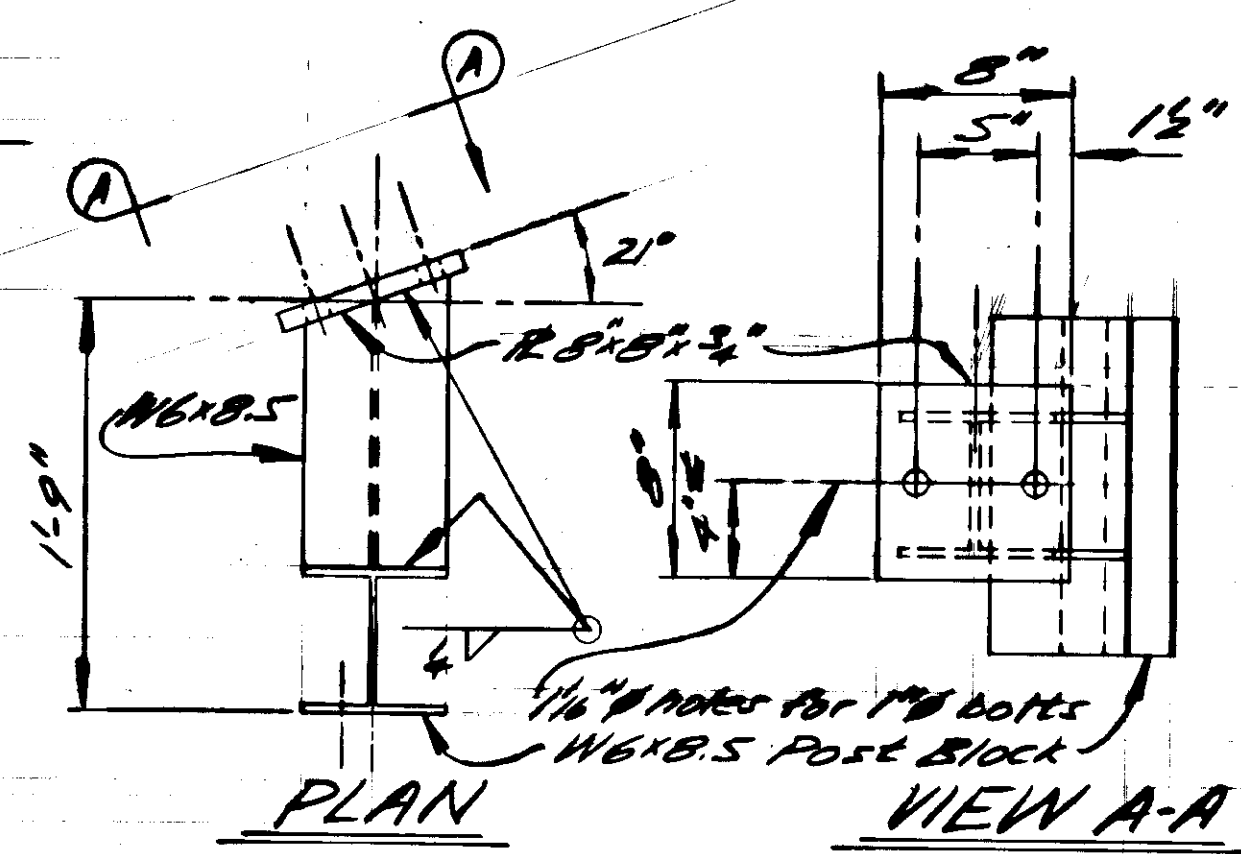
HERBERT R., 736 & EAGLE R., 735



ELEVATION

END SHOE

129630  
In. Ft.

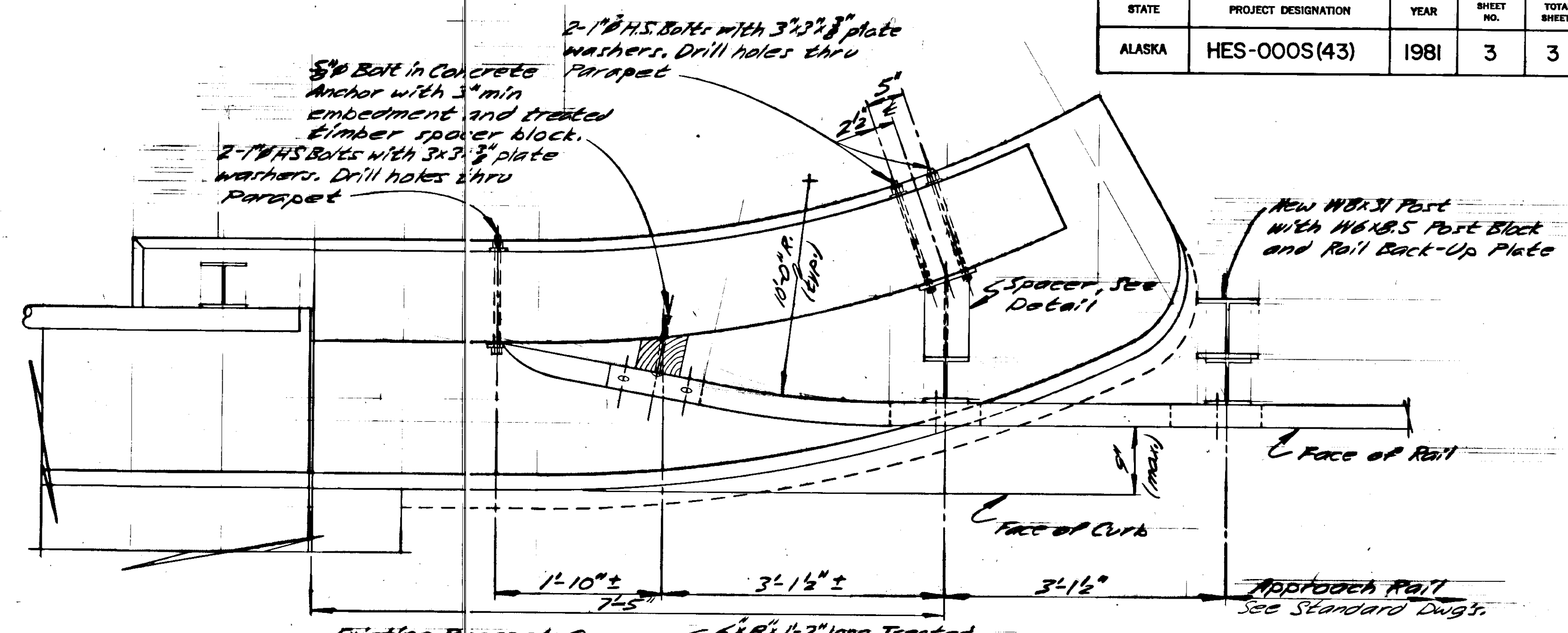


PLAN

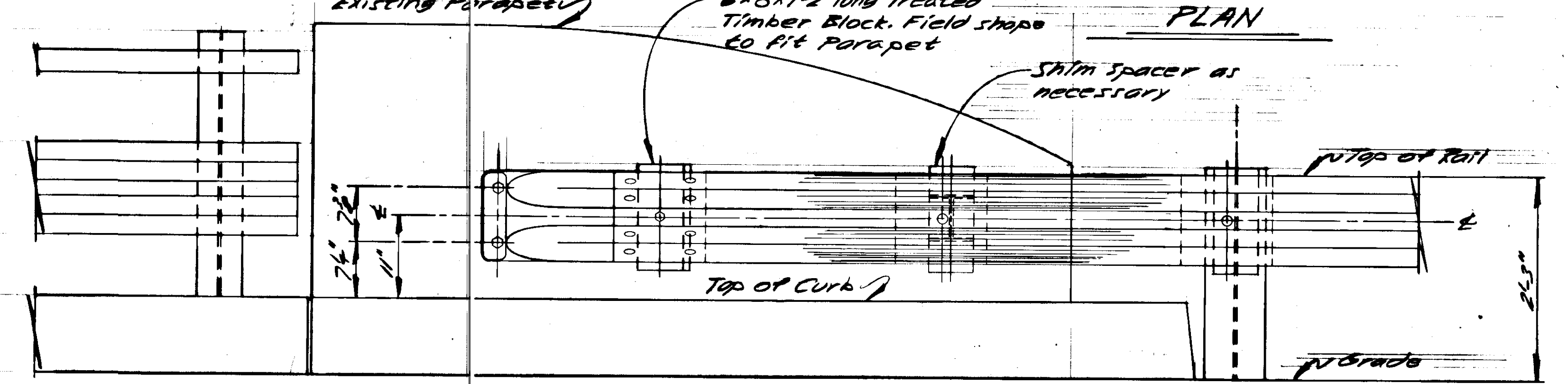
VIEW A-A

SPACER

129630  
In. Ft.



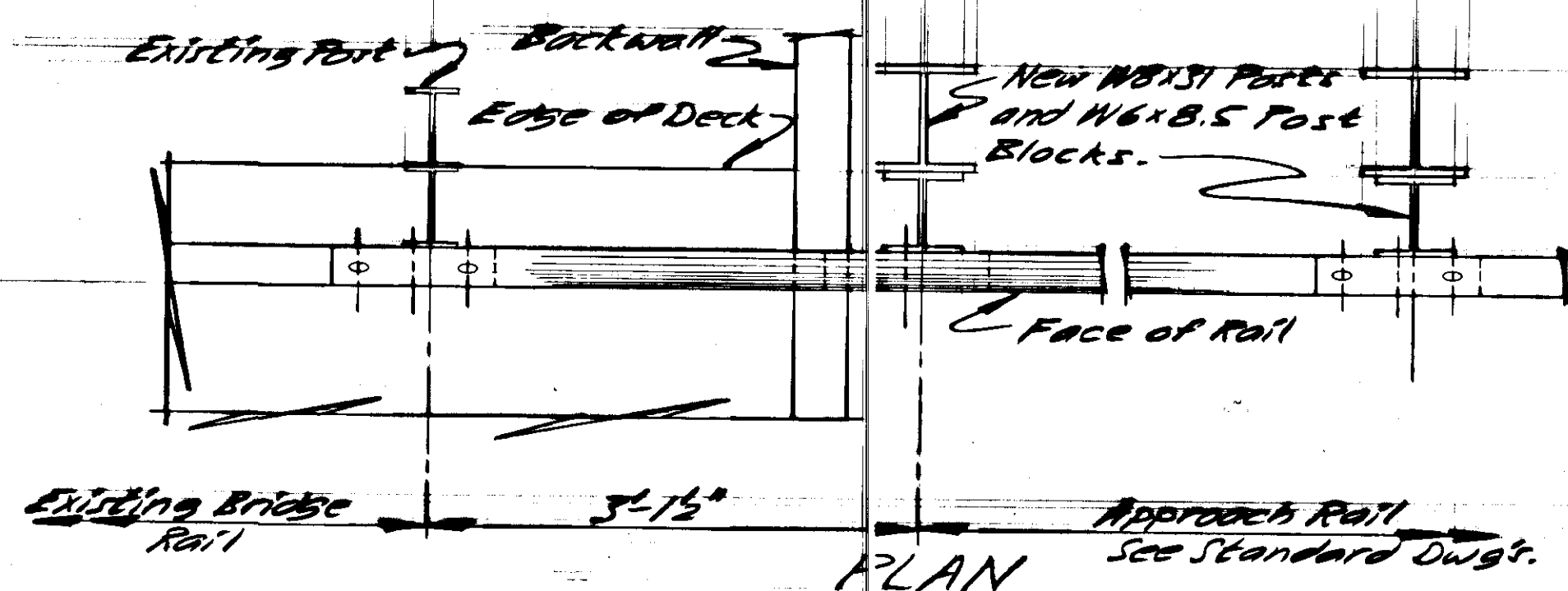
PLAN



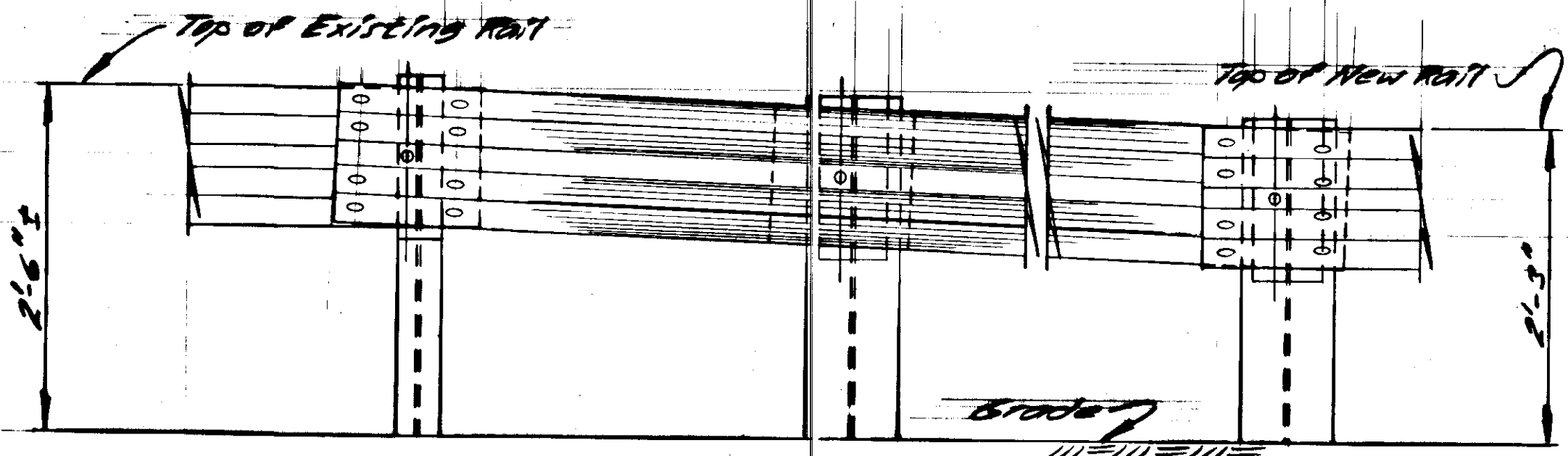
ELEVATION

129630  
In. Ft.

FISH CREEK, 353



PLAN



ELEVATION  
129630  
In. Ft.

PETERSEN CREEK, 734

GUARDRAIL SAFETY PROJECT

Route No FAS 961 & 959

JUNEAU AREA

State of Alaska  
DEPARTMENT OF TRANSPORTATION  
and PUBLIC FACILITIES  
Juneau, Alaska

Date 2-23-81  
Approved [Signature]



353,734,  
BRIDGE NO. 735 & 736  
DWNG. NO.