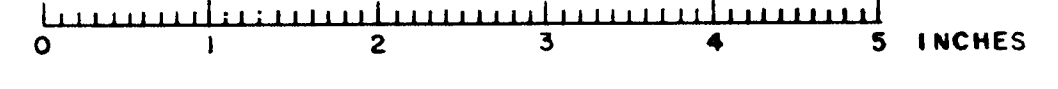
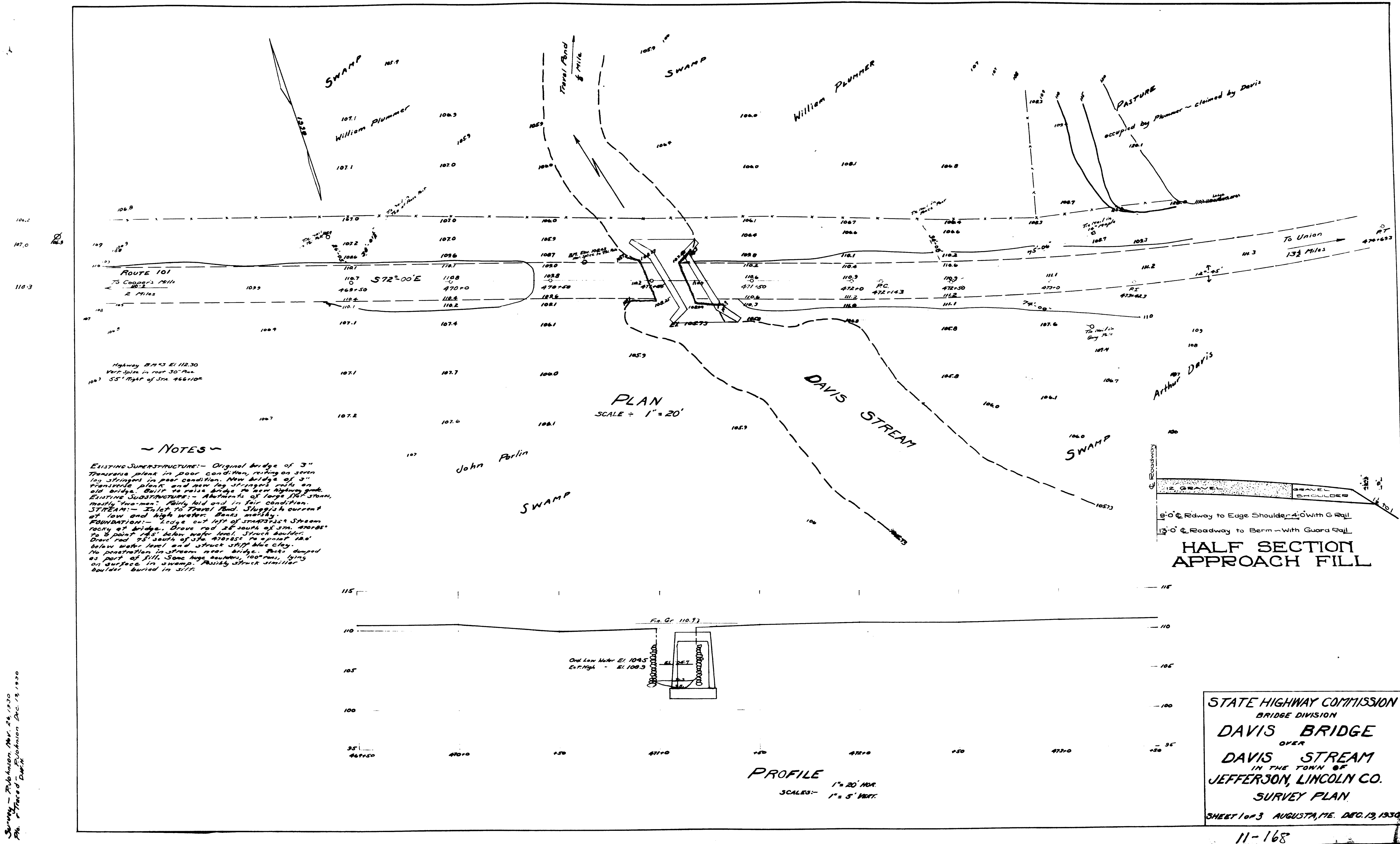
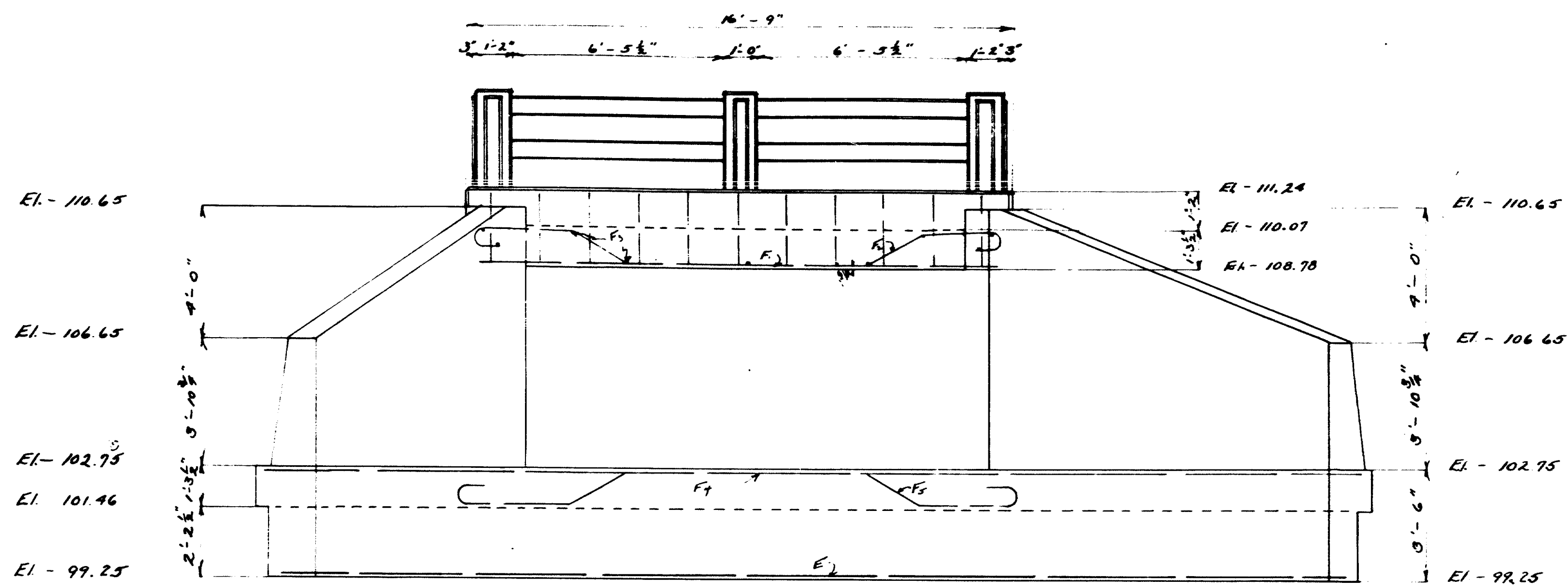


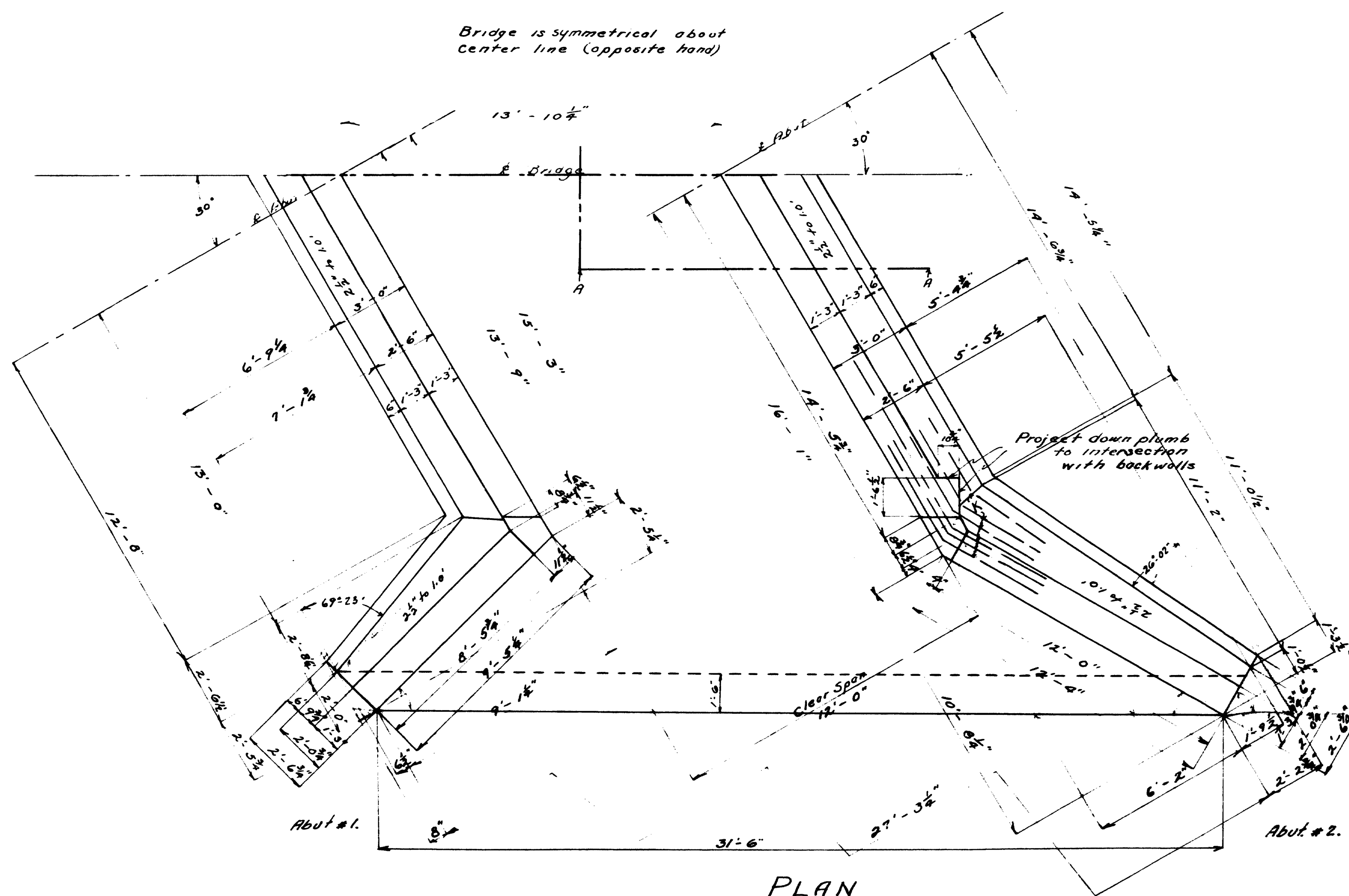
Survey - Robinson, Nov. 24, 1930
Pb. Stationed - Duff Johnson Dec. 13, 1930



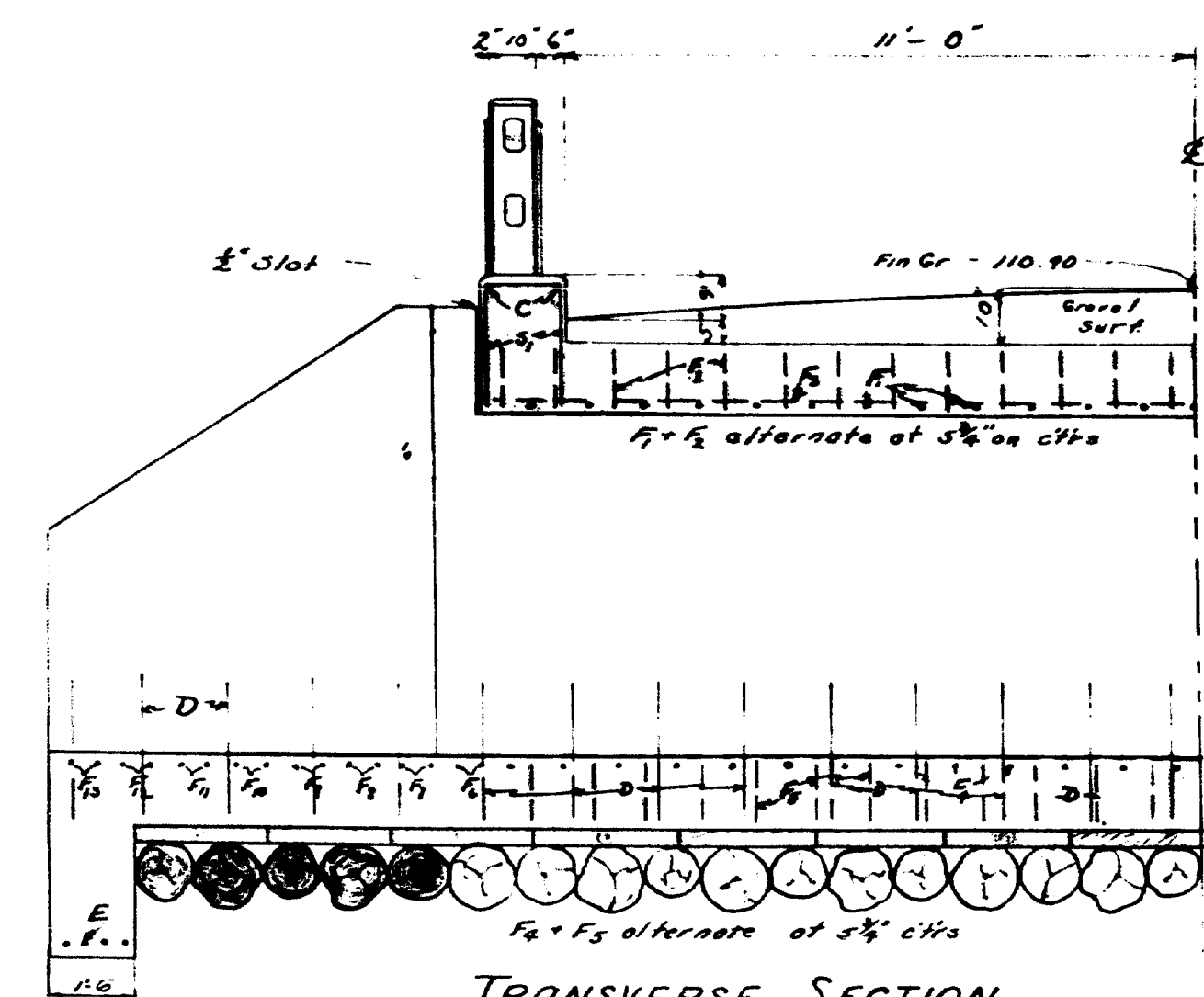


END ELEVATION

Bridge is symmetrical about center line (opposite hand)



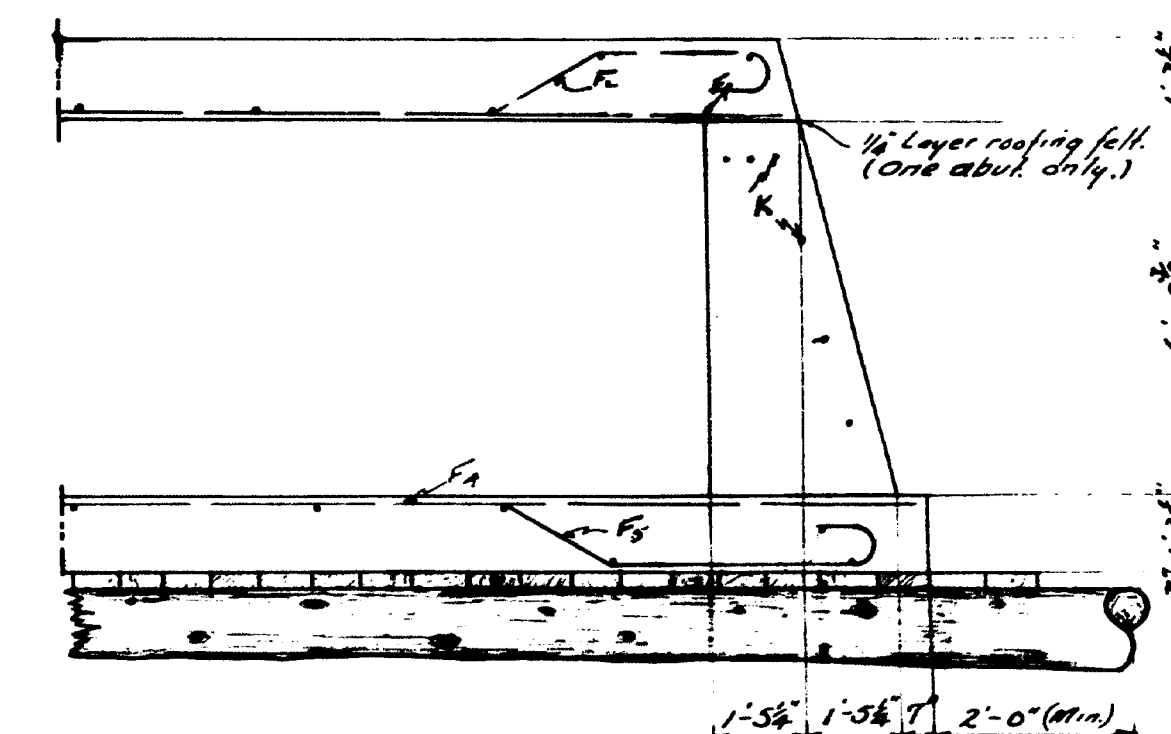
PLAN



TRANSVERSE SECTION

Logs placed tip to butt. Min. tip 10"

NOTE: Cover the $\frac{1}{2}$ " slot between curb and wings on the back side with two layers of heavy roofing felt. Coat surface of concrete and backside of each layer of felt as applied with hot tar or asphalt. Felt is to be 10" wide. The area to be covered by felt is to be recessed $\frac{1}{2}$ " by nailing thin strips to the forms before concrete is placed.

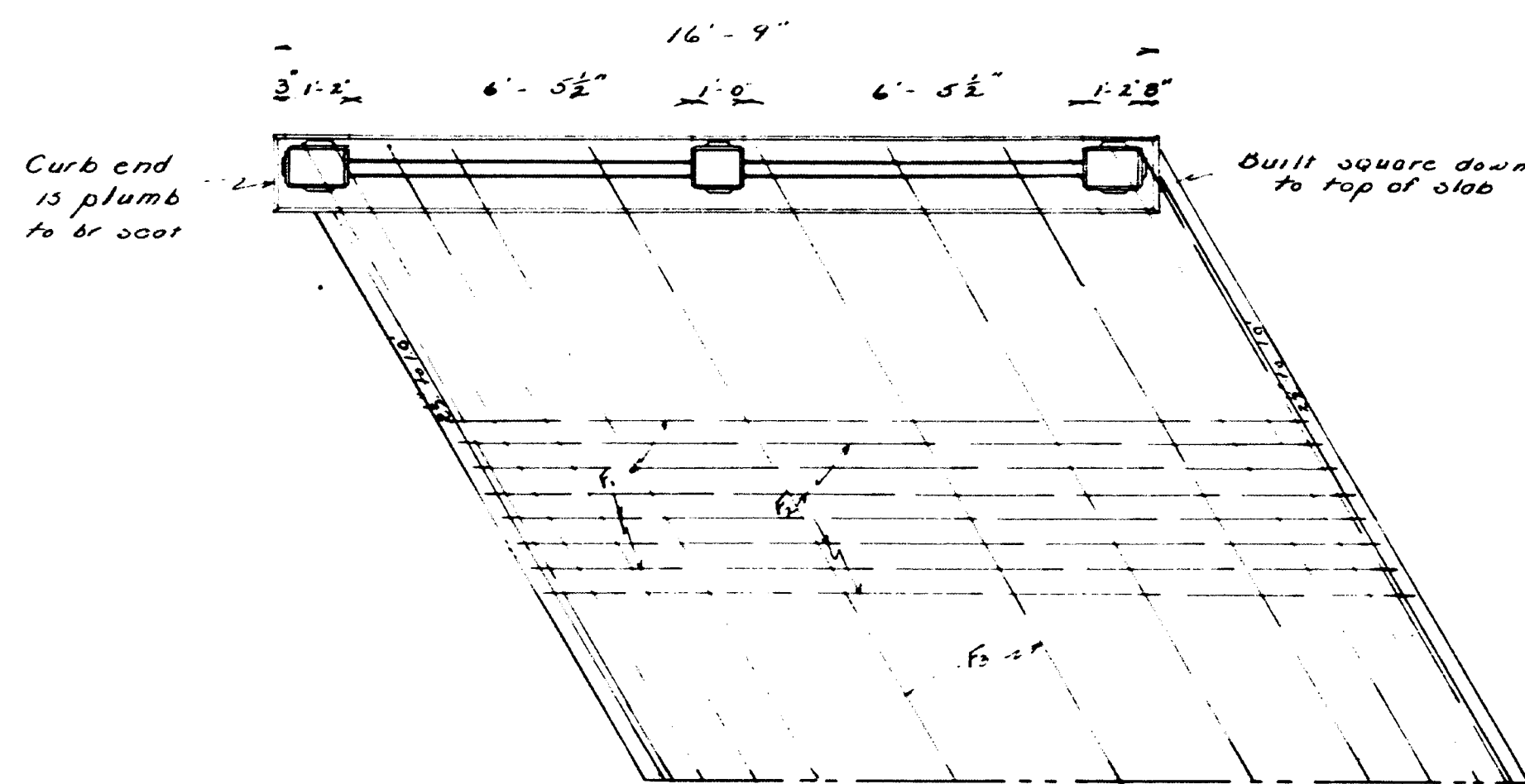


SECTION A-A

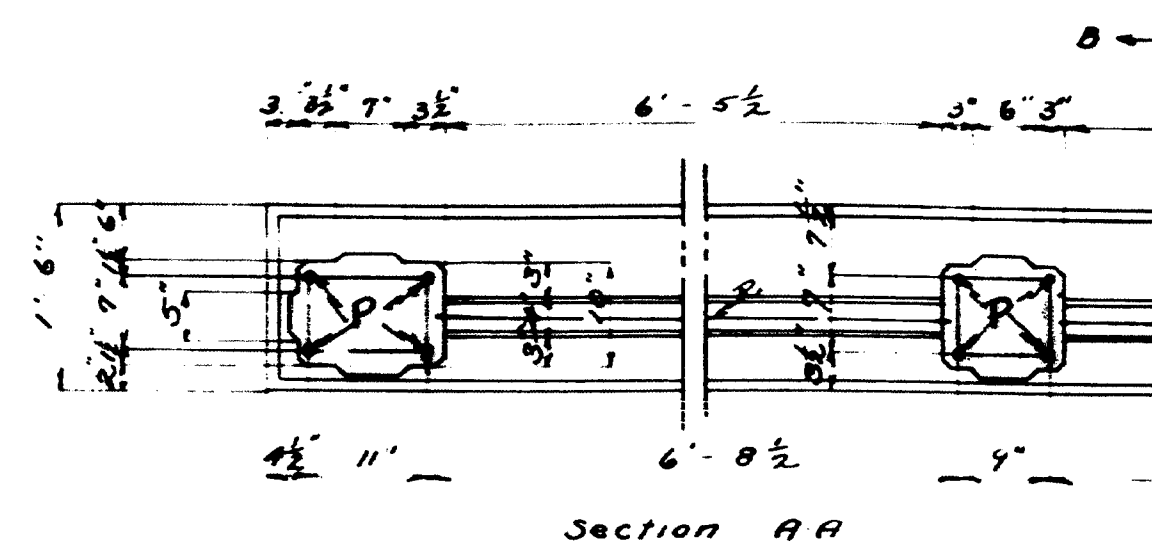
Note: K bars at junction of abutments and wing walls - Spaced 6" from back of forms and 1'-6" vertically. Three bars 6" below the bridge seat at 6" centers.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
DAVIS BRIDGE
OVER
DAVIS STREAM
IN THE TOWN OF
JEFFERSON
LINCLON Co.
BRIDGE DETAILS
Sheet 2 of 3 Augusta, Me. March 23, 1931

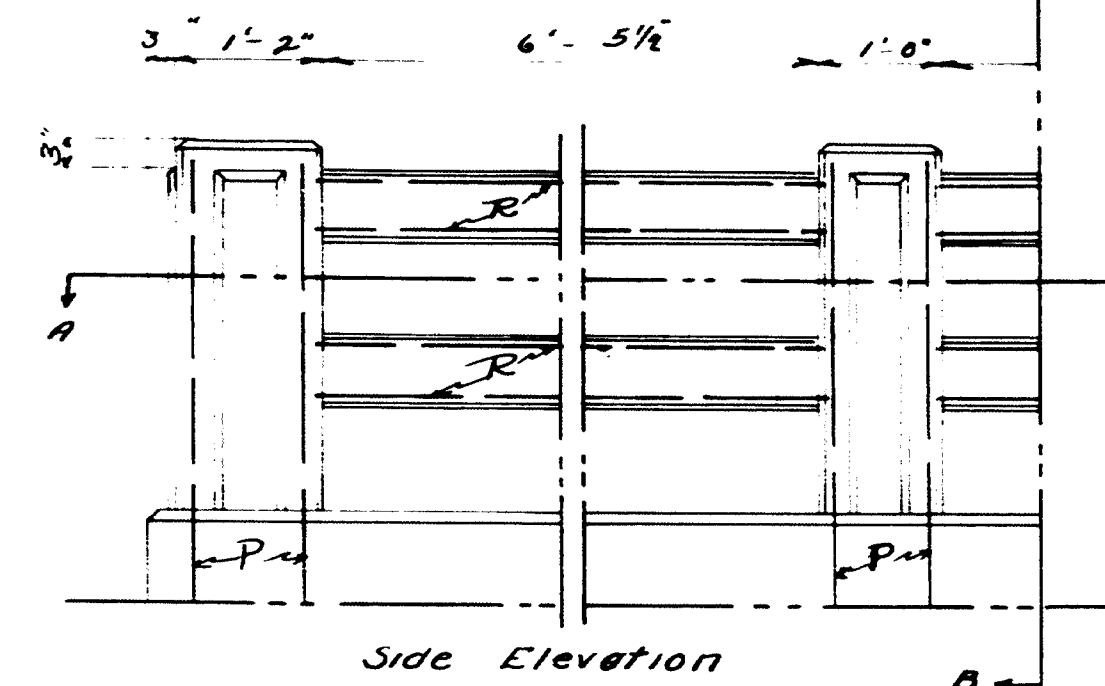
11-169



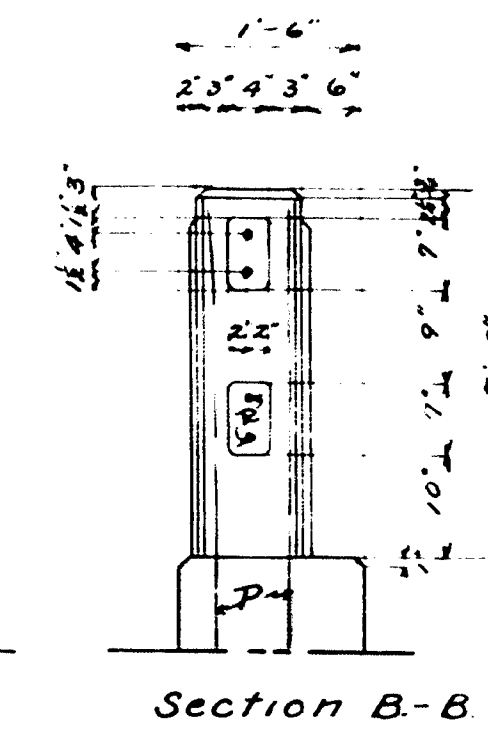
PLAN FOR ROADWAY SLAB



Section A-A



Side Elevation

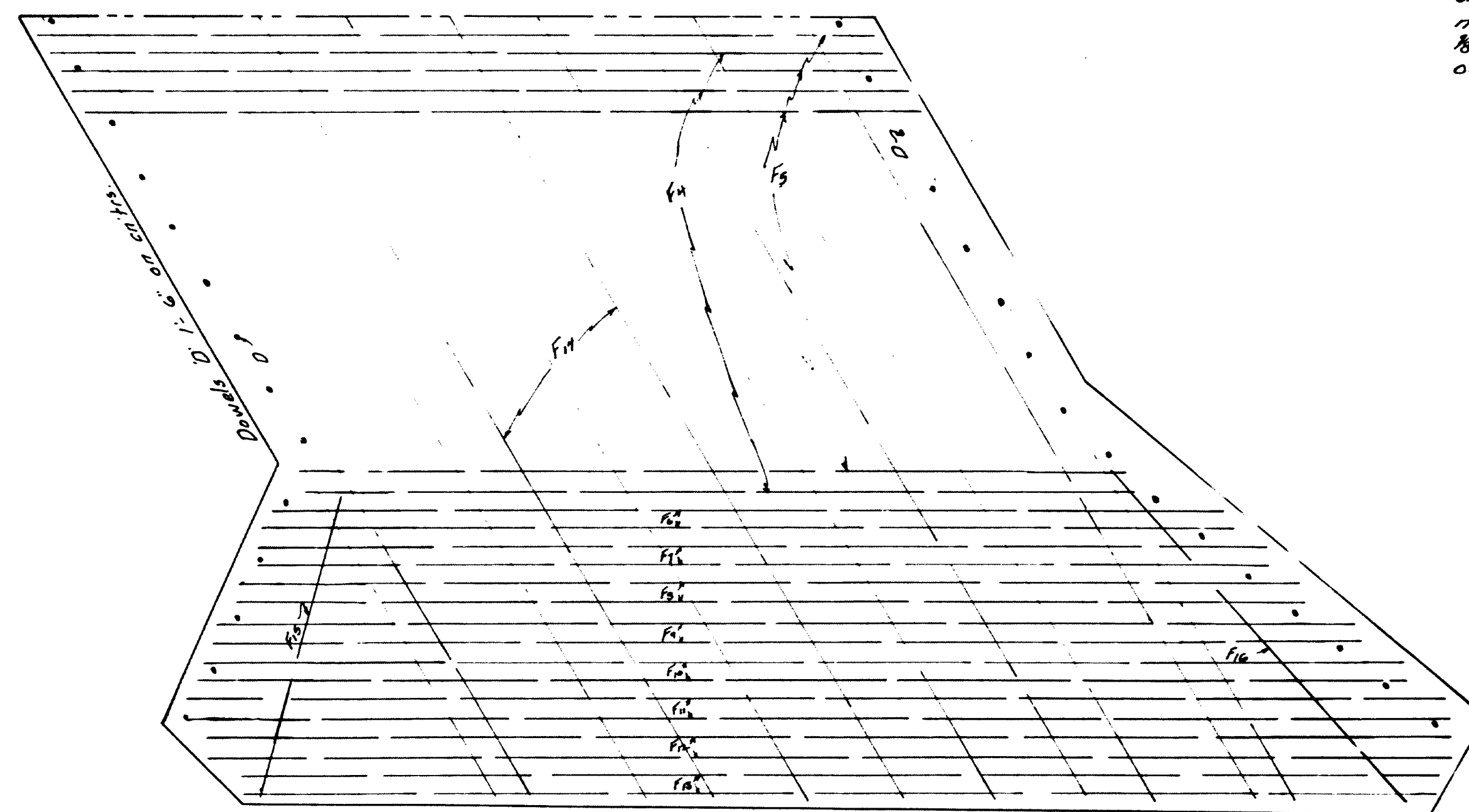


Section B-B

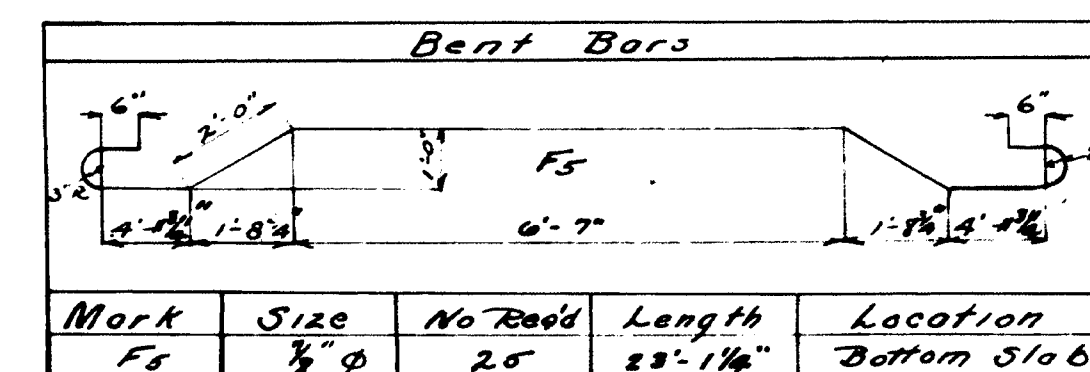
RAIL DETAIL

NOTE

Curb and slab to be cast together. - Steel for posts to be set in curbs. - Precast rail bars in lengths of 6'-10 1/2" place rail bars in position with ends projecting into post forms 2 1/2". - Wrap ends 6" with two thicknesses of roofing felt. - Fold in ends and when post forms are removed, cut away all exposed felt. - Panels on posts to be 1/8" thick. - Chamfer all exposed edges of concrete 1/2" unless otherwise indicated.



STEEL PLAN FOR BOTTOM SLAB



Mark	Size	No. Reqd	Length	Location
F5	3/8" φ	25	23'-1 1/4"	Bottom Slab

STEEL SCHEDULE				
Straight Bars				
Mark	Size	No. Reqd	Length	Location
P	3/8" φ	24	4'-0"	Posts
R	3/8" φ	16	6'-8"	Rails
K	3/8" φ	24	8'-0"	Abuts
C	3/8" φ	4	16'-6"	Curbs
E	3/8" φ	8	31'-5"	Curtain Walls
F1	3/8" φ	26	16'-6"	Road Slab
F2	3/8" φ	11	28'-2 1/4"	" "
F3	3/8" φ	26	20'-6"	Bottom Slab
F4	"	4	21'-10"	" "
F5	"	4	29'-0"	" "
F6	"	4	26'-2"	" "
F7	"	4	28'-6"	" "
F8	"	4	30'-7"	" "
F9	"	4	32'-6"	" "
F10	"	4	33'-0"	" "
F11	"	4	31'-5"	" "
F12	"	4	46'-2"	" "
F13	3/8" φ	2	8'-0"	" "
F14	3/8" φ	2	11'-0"	" "
F15	3/8" φ	58	2'-0"	Bottom Slab - Reouts
Bent Bars				
Mark	Size	No. Reqd	Length	Location
F16	3/8" φ	26	18'-4 1/4"	Road Slab
S	3/8" φ	22	5'-9"	Curbs

All steel to be plain round bars - Dimensions are to center lines of bars. Bars to be of structural steel grade.

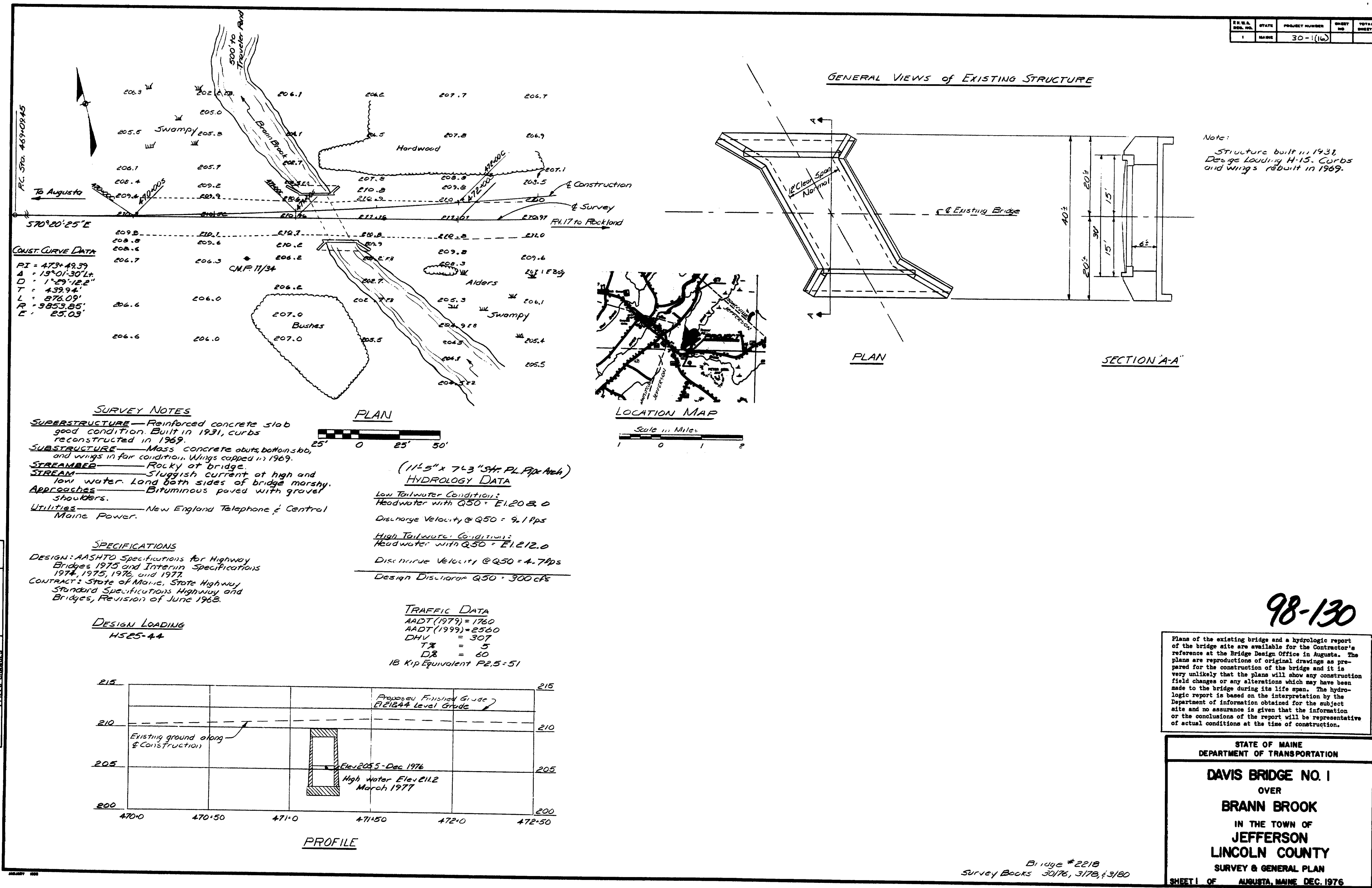
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
DAVIS BRIDGE
OVER
DAVIS STREAM
IN THE TOWN OF
JEFFERSON
LINCOLN Co.
BRIDGE DETAILS

Sheet 3 of 3 August 19, 1931

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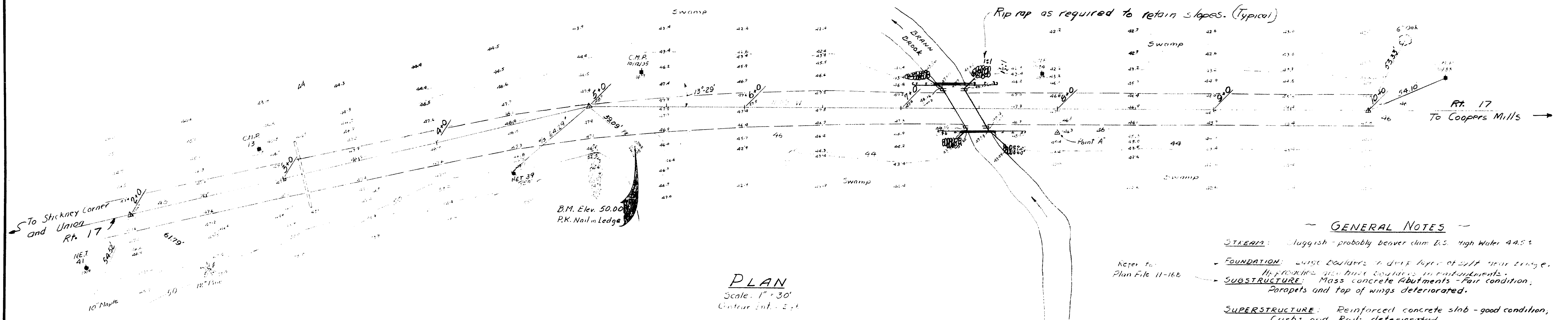
Survey Plotted 1 mile 3-78
Checked: R.F. G-78

PROJECT NUMBER	DATE
DESIGN - DETAILED	
CHECKED	
REVISIONS	
FIELD CHANGES	



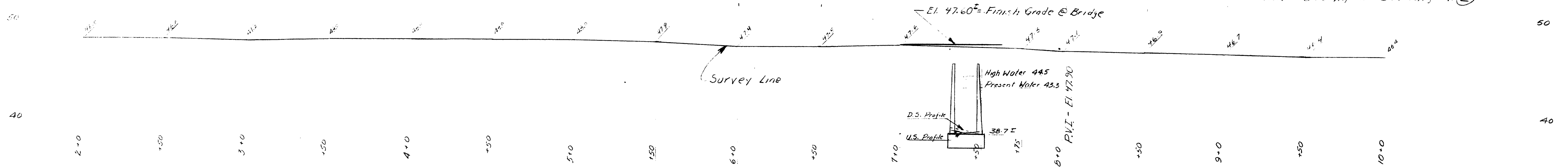
S.P.R. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

The existing concrete rails will be removed, and the existing curbs will be removed to elev. 47.00'. The existing parapets and portions of the existing wing walls will be removed to elev. 44.54.5. Payment for the removal, and disposal of the structural concrete in the rails, curbs, parapets, and wing walls will be under Section 202- Removal of Structures and Obstructions.



- GENERAL NOTES**
- STEADY:** Sluggish - probably beaver dam B.S. High Water 44.5.
 - FOUNDATION:** Large boulders in dirt layer at left pier base. Approaches are on loose boulders in embankments.
 - SUBSTRUCTURE:** Mass concrete Abutments - Fair condition; Parapets and top of wings deteriorated.
 - SUPERSTRUCTURE:** Reinforced concrete slab - good condition; Curbs and Rails deteriorated.
 - APPROACHES:** East approach, 22' bituminous paved, 5 ft. gravel shoulders; poor condition. West approach 20' bituminous paved, 6 ft. gravel shoulders; poor condition.
 - UTILITIES:** N.E.T. & C.M.P. Joint & Single Poles. Stakes to left of road marked Tele Bu Co (location for proposed buried cable). All Utility Plants shall be adjusted as necessary by the respective Utilities.

Note: See Riprap Section, Sh. (C)

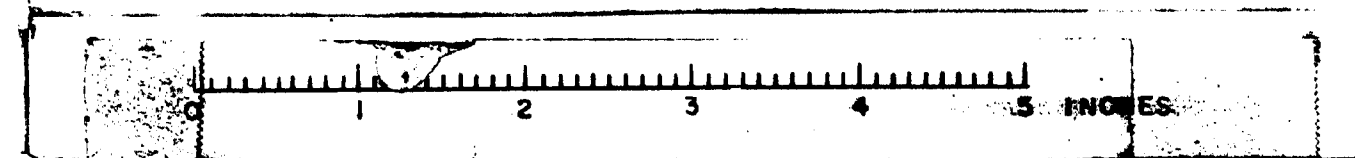


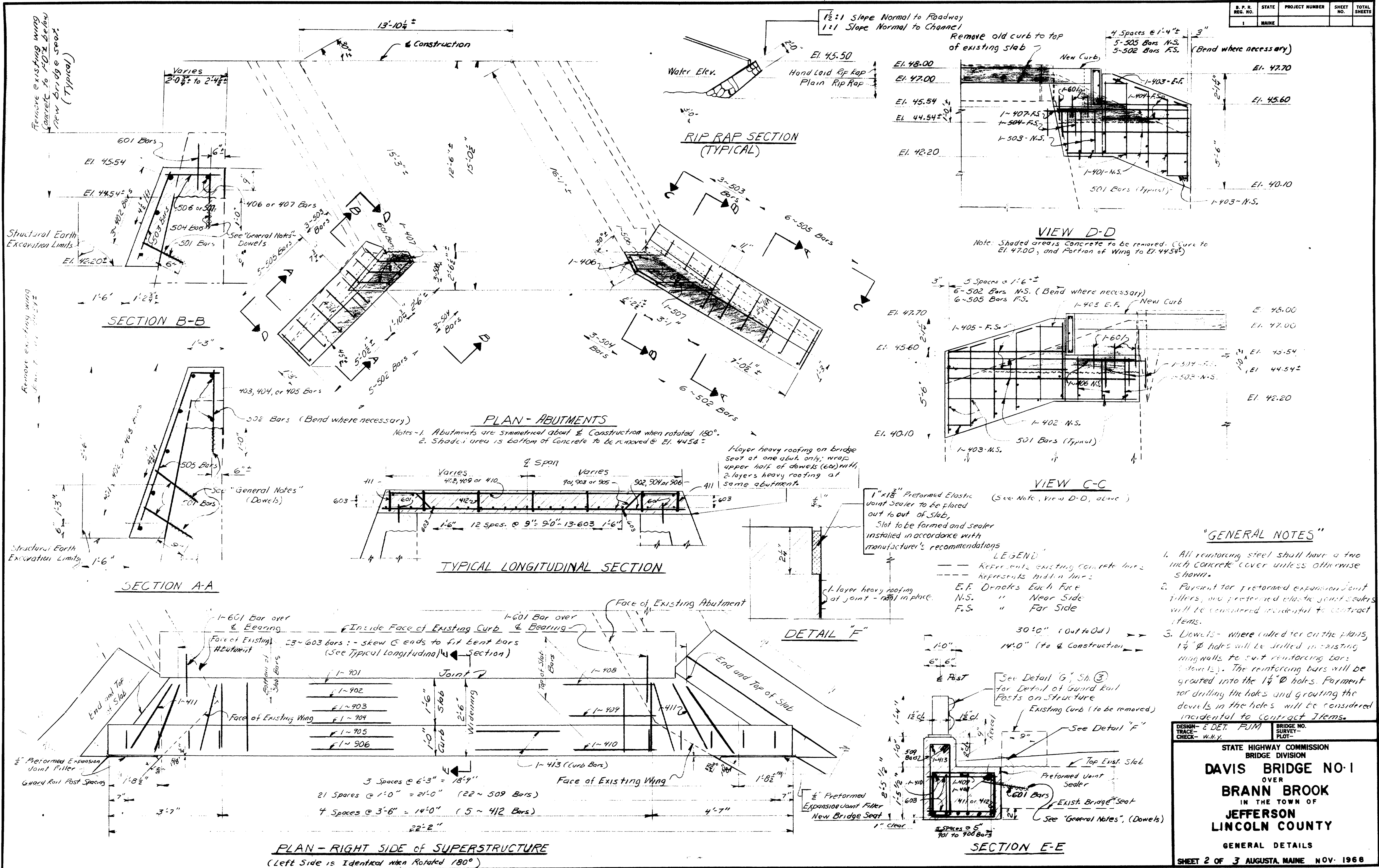
PROFILE ALONG SURVEY
Scale: Horiz. 1" = 30'; Vert. 1" = 5'

- SPECIFICATIONS**
- Design: - A.A.S.H.O. Standard Specifications for Highway Bridges, 1965.
 - Live Loading: - H20-44
 - Allowable Stresses: - Concrete - $f_c = 1200 \text{ psi}$ $n = 10$
Reinforcing Steel, Intermediate Grade - $f_s = 20,000 \text{ psi}$
 - Concrete Classification: - All Concrete shall be Class 'A'

DESIGN - P.M.	BRIDGE NO. 3405
TRACE - F. Barnes	SURVEY - F. Barnes
CHECK - W.H.Y.	PLOT - F. Barnes
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
DAVIS BRIDGE NO.1 over BRANN BROOK in the town of JEFFERSON LINCOLN COUNTY	
~ SURVEY ~	
SHEET 1 OF 3 AUGUSTA, MAINE Nov. 1967	

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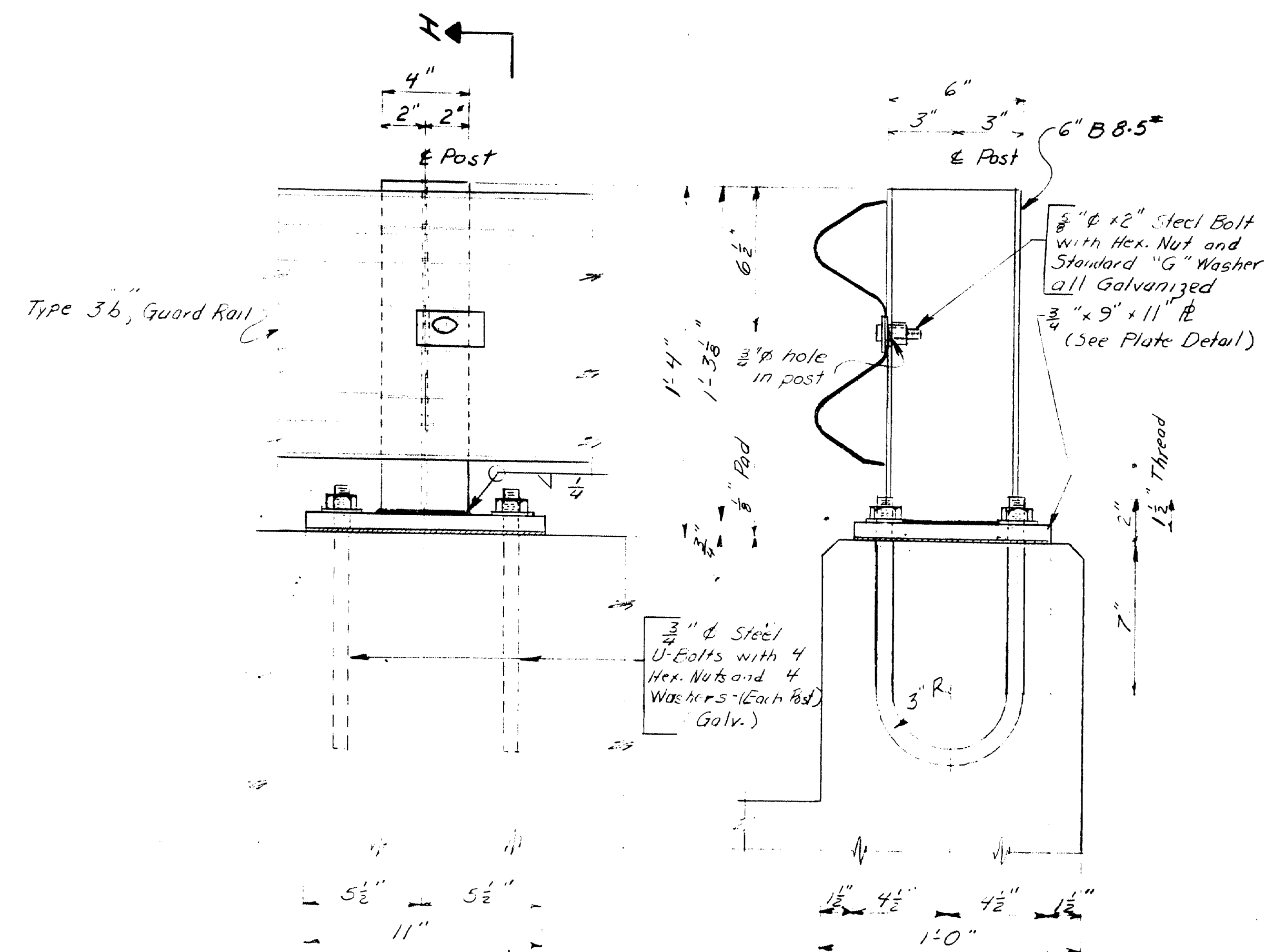


REINFORCING STEEL SCHEDULE

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

ABUTMENTS					SUPERSTRUCTURE				
BENT BARS					BENT BARS				
MARK	SIZE	NUMBER	LENGTH	LOCATION	MARK	SIZE	NUMBER	LENGTH	LOCATION
406	#4	2	3'-4"	New Bridge Seats	411	#4	4	8'-0"	Slabs - Transverse
407	#4	2	2'-11"	" " "	412	#4	10	7'-2"	" " "
505	#5	22	6'-3"	Wing Walls	509	#5	44	6'-4"	Curbs
STRAIGHT BARS					STRAIGHT BARS				
401	#4	6	8'-0"	Wing Walls	408	#4	2	17'-6"	Top of Slab - Longitudinal
402	#4	6	12'-6"	" " "	409	#4	2	19'-11"	" " " "
403	#4	12	1'-8"	" " "	410	#4	2	21'-8"	" " " "
404	#4	4	6'-6"	" " "	413	#4	4	21'-10"	Top of Curb - Longitudinal
405	#4	4	9'-6"	" " "					
501	#5	56	1'-6"	Dowels - Wingwalls	601	#6	4	1'-6"	Dowels - Old Slab to New Slab
502	#5	22	4'-0"	" " "	603	#6	46	2'-2"	Bottom of Slab - Transverse
503	#5	12	3'-0"	Wing - walls	902	#9	2	19'-6"	Bottom of Slab - Longitudinal
504	#5	12	1'-9"	Dowels - New Bridge Seats	904	#9	2	21'-4"	" " " "
505	#5	22	6'-3"	Wing Walls	906	#9	2	21'-8"	" " " "
506	#5	8	2'-3"	New Bridge Seats					
507	#5	4	3'-3"	" " "					
601	#6	12	1'-6"	Dowels - Bridge Seats to Slabs					

*NOTES: 1. Number of Reinforcing Bars shown are for both sides of structure.
2. Reinforcing Steel is to be of intermediate grade.
3. Dimensions shown are to center line of reinforcing bars.



DETAIL "G"

SECTION H-H

Req'd: 8 Posts Complete

*For Guard Rail Details not shown, See Standard Details

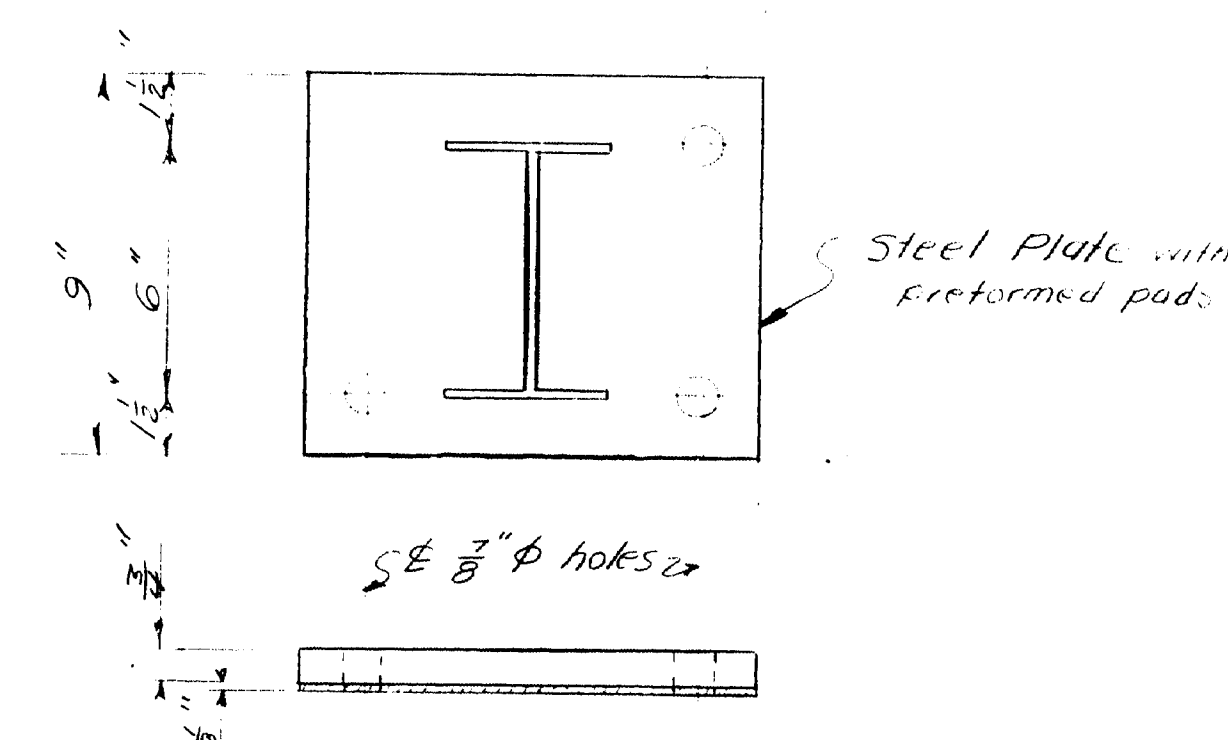


PLATE DETAIL

Req'd: 8 Plates as shown
10 Preformed Pads to fit plates

DESIGN - E. DETAIL - R.J.M.	BRIDGE NO.
TRACE - W.W.L.	SURVEY - PLOT -
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
DAVIS BRIDGE NO. 1	
OVER	
BRANN BROOK	
IN THE TOWN OF	
JEFFERSON	
LINCOLN COUNTY	
REINFORCING STEEL & GUARDRAIL	
SHEET 3 OF 3 AUGUSTA, MAINE NOV. 1966	

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