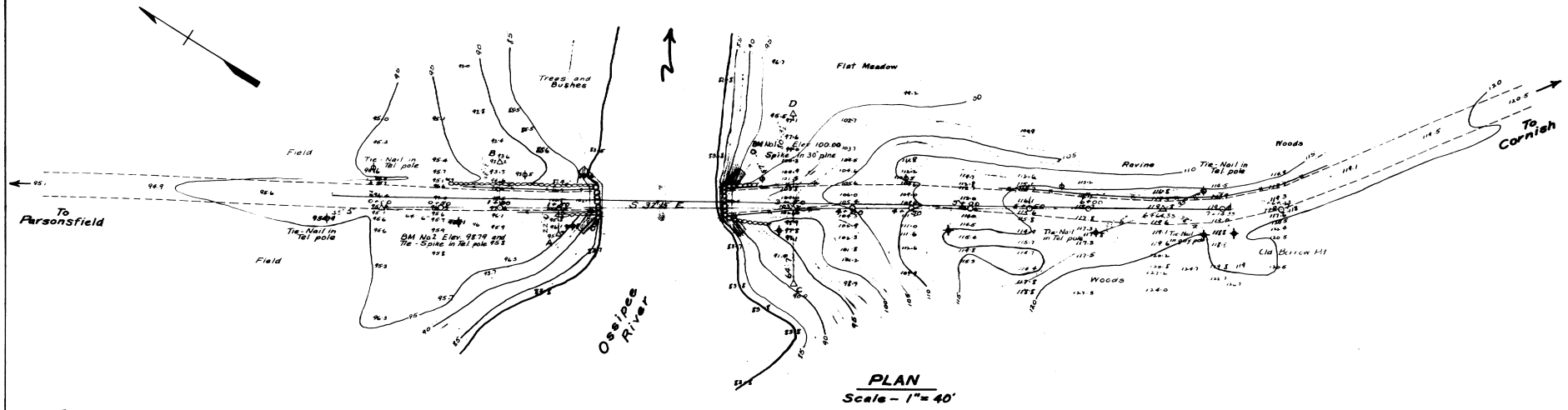
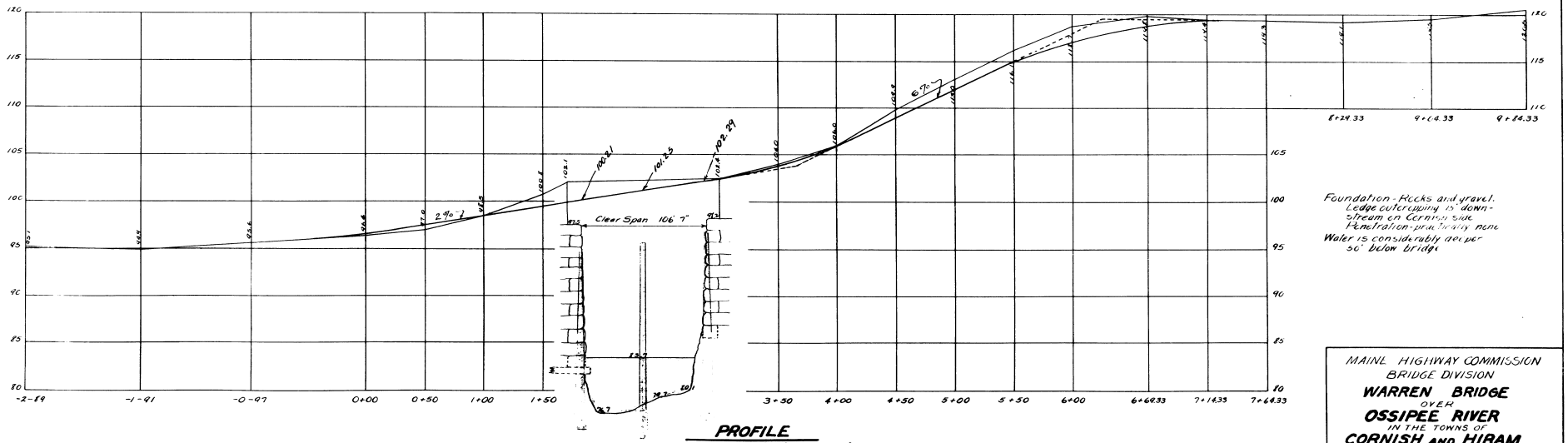


PLAN
Scale – 1" = 40'



PROFILE
Scales – Hor. 1" = 40' Vert. 1" = 5'

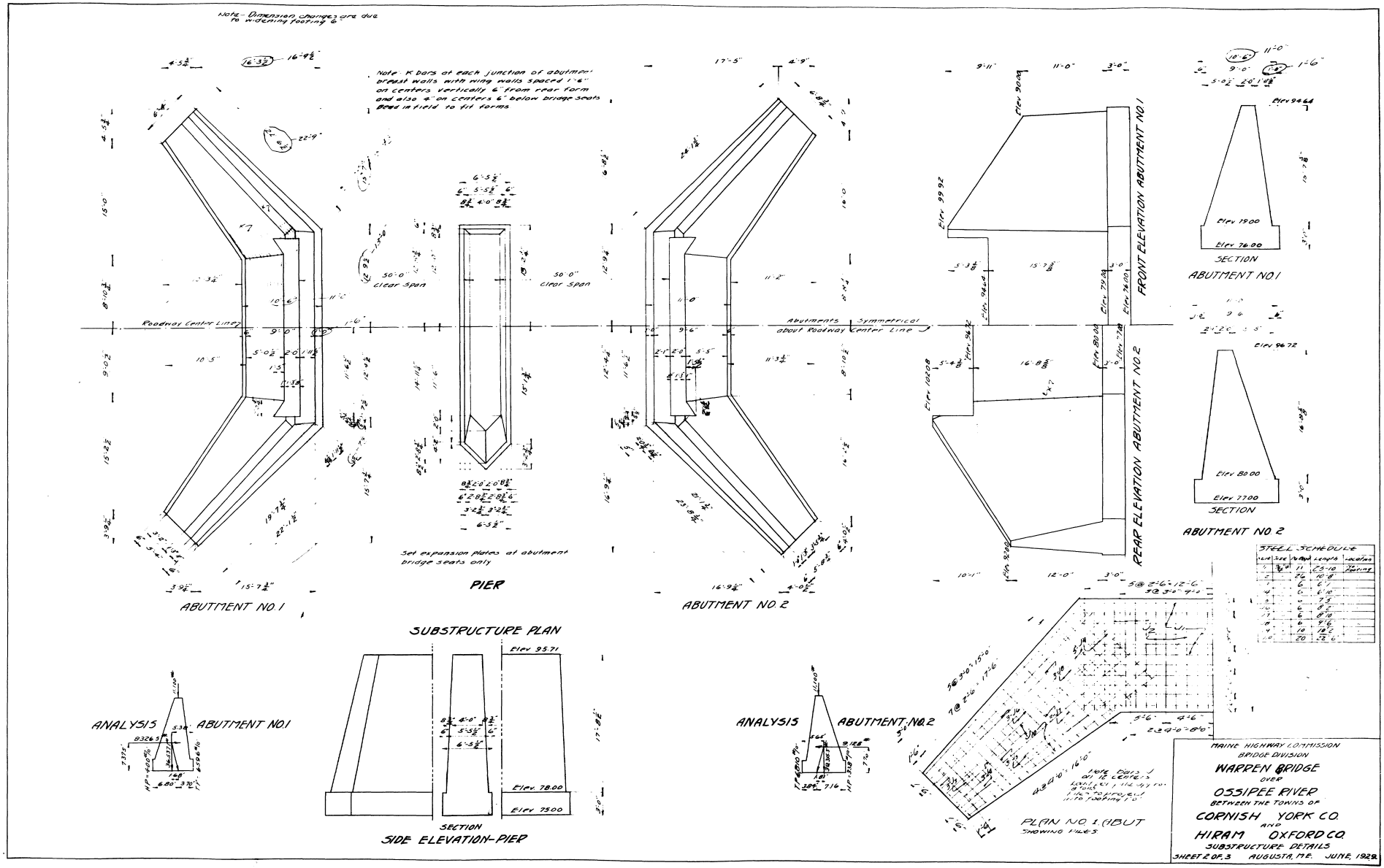
Foundation – Rocks and gravel. Ledge outcropping 15' downstream on Cornish side. Penetration – practically none. Water is considerably deeper 50' below bridge.

Survey by Sawyer
Plan by Beckman

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

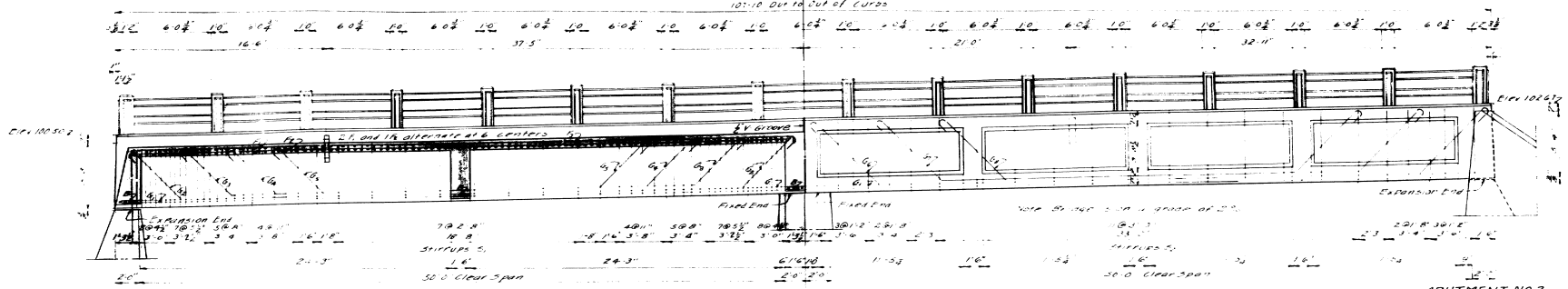
WARREN BRIDGE
OVER
OSSIPEE RIVER
IN THE TOWNS OF
CORNISH AND HIRAM
YORK AND OXFORD COUNTIES
SURVEY PLAN

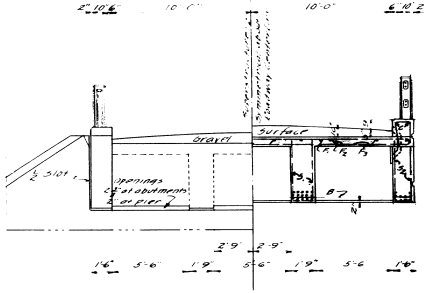
SHEET 1 OF 3 AUGUSTA, ME. DEC. 17, 1928



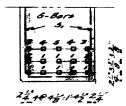
STEEL SCHEDULE

Mark	Size	No. Reqd	Length	Location
1	3/4" ⌀	11	25'-10	To footing
2		26	10'-8	
3		6	6'-1	
4		6	6'-10	
5		6	7'-5	
6		6	8'-2	
7		6	8'-10	
8		6	9'-6	
9		10	10'-2	
10		20	22'-6	

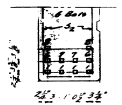




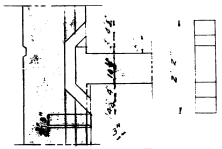
HALF REAR ELEVATION HALF TRANSVERSE SECTION



INTERIOR GIRDER

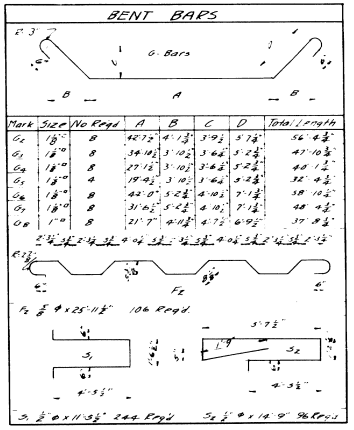


EXTERIOR GIRDER



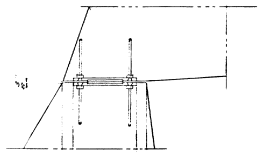
METAL DRAIN FORMS
2 REQUIRED

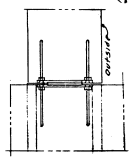
PANEL DETAIL

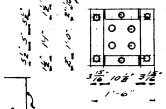


STRAIGHT BARS				
Mark	Size	No Reqd	Length	Location
F1	3/8 φ	208	27'-0"	Slab
F2	3/8 φ	46	50'-0"	Slab
C	3/8 φ	8	50'-0"	Curbs
G	1 1/8" φ	48	50'	Girders
K	3/4 φ	120	4'-4 1/2"	Rails
P	3/4 φ	128	4'-0"	Posts
B	1" φ	24	22'-0"	Cross Beams
K	3/4 φ	70	4'-0"	Abutments

All steel bars to be of structural grade. Dimensions are to center lines of bars.







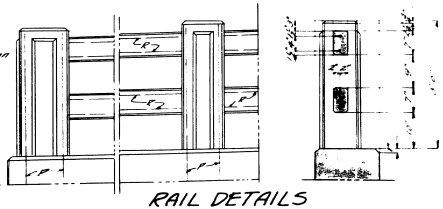
Expansion plates will be furnished by the Commission f.o.b. Boston railway station

REQUIRED:-
16 Steel plates 16"x3/8"x1'-6"
16 Phosphor bronze plates 10"x3/8"x10'-10"
64 Bolts 3/8"φ x 1'-6" countersunk heads threaded full length.

Grooves in steel plates to be cut 1/8" to 1/8" deeper than center section machining of bed area.

Interior Girder Bronze plates to be finished smooth and true either by rolling or by a final finishing cut.

Exterior Girder



RAIL DETAILS

Curb and slab to be cast together. Steel for posts to be set in curb. Precast rail bars in lengths of 6'-3". Place rail bars in position with posts projecting 4 1/2" into post forms. Wrap ends 6" with two thicknesses of roofing felt, folding in ends. After post forms are removed cut and fill roofing felt with asphalt. Fill exposed edges with asphalt. Bolts in posts to be 3/8" φ.

Curb and slab to be cast together. Steel for posts to be set in curb. Precast rail bars in lengths of 6'-3". Place rail bars in position with posts projecting 4 1/2" into post forms. Wrap ends 6" with two thicknesses of roofing felt, folding in ends. After post forms are removed cut and fill roofing felt with asphalt. Fill exposed edges with asphalt. Bolts in posts to be 3/8" φ.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
WARREN BRIDGE
OVER
OSSIPEE RIVER
BETWEEN THE TOWNS OF
CORNISH - YORK CO
AND
HIRAM - OXFORD CO
SUPERSTRUCTURE PLAN
JUNE 1937
SHEET 3 OF 3