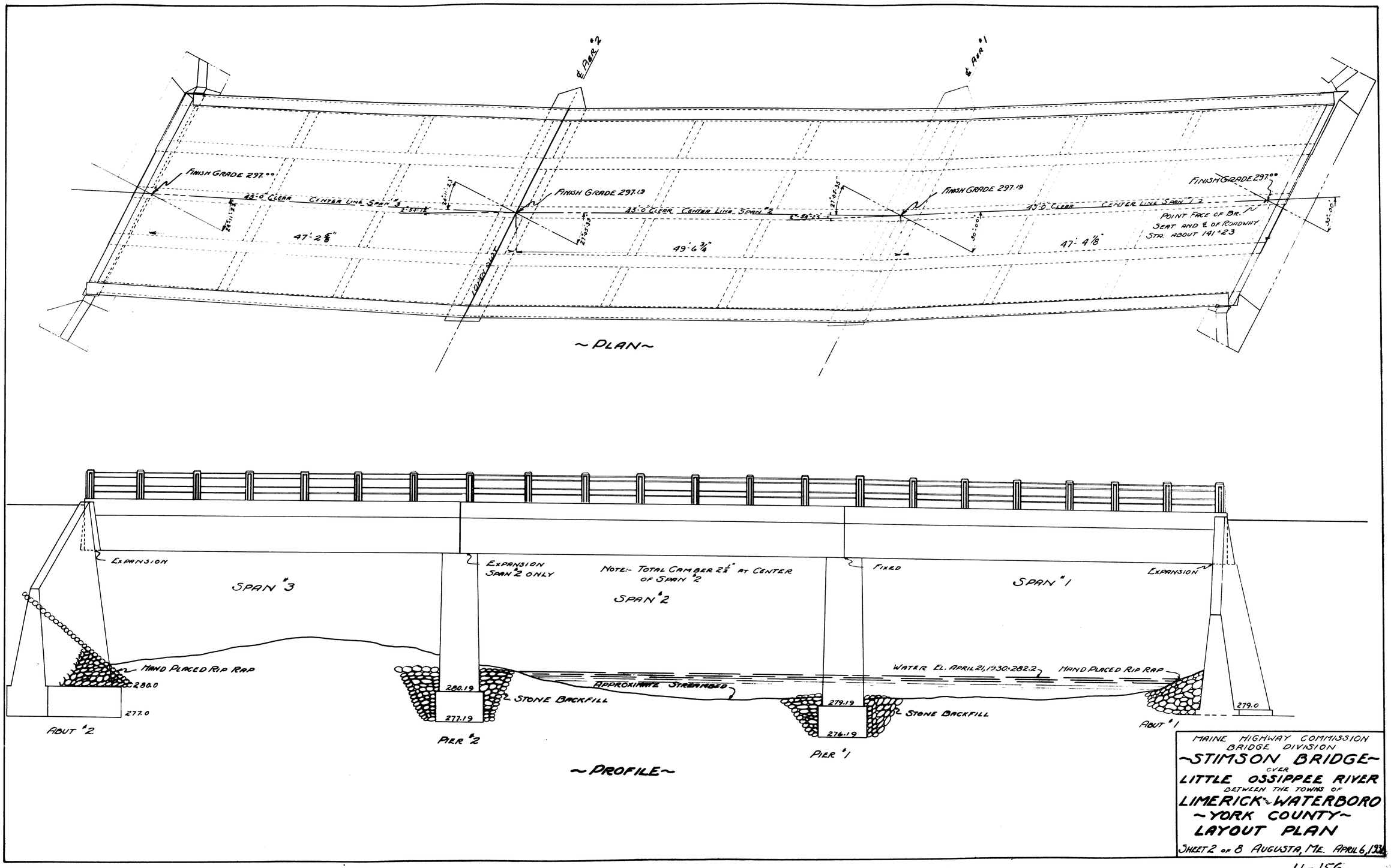
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

STIMSON BRIDGE
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK AND WATERBORO

YORK COUNTY
SURVEY PLAN
Sheet 1 of 8 Augusta, Me. 5-22-30

11-155

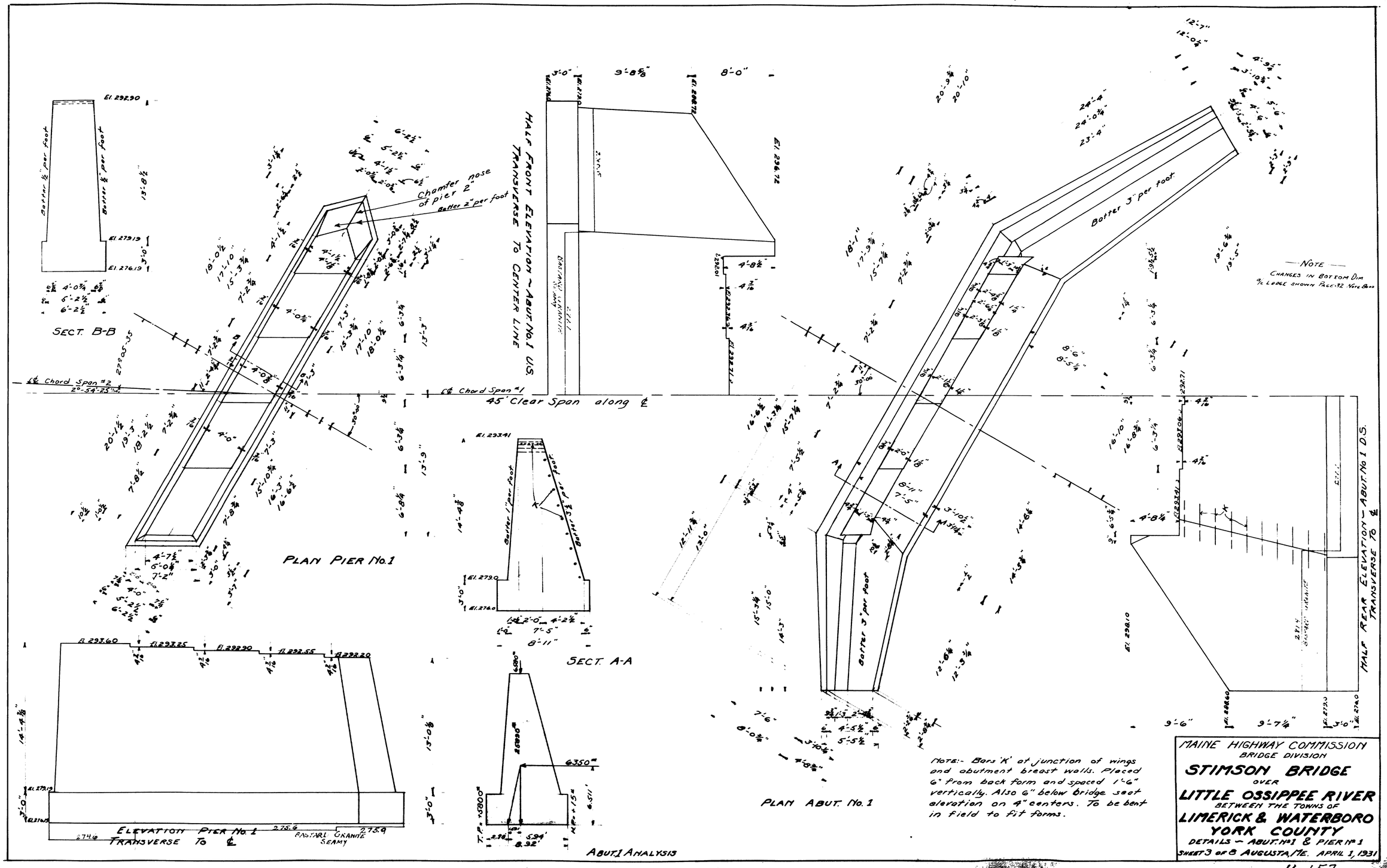


MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
~STIMSON BRIDGE~
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
~YORK COUNTY~
LAYOUT PLAN
SHEET 2 OF 8 AUGUSTA, ME. APRIL 6, 1930

11-156

DESIGN E.E.B.
TRACED C.F.S.
Checked [illegible]

0 1 2 3 4 5 INCHES



Note:- Bars 'K' at junction of wings and abutment breast walls. Placed 6" from back form and spaced 1'-6" vertically. Also 6" below bridge seat elevation on 4" centers. To be bent in field to fit forms.

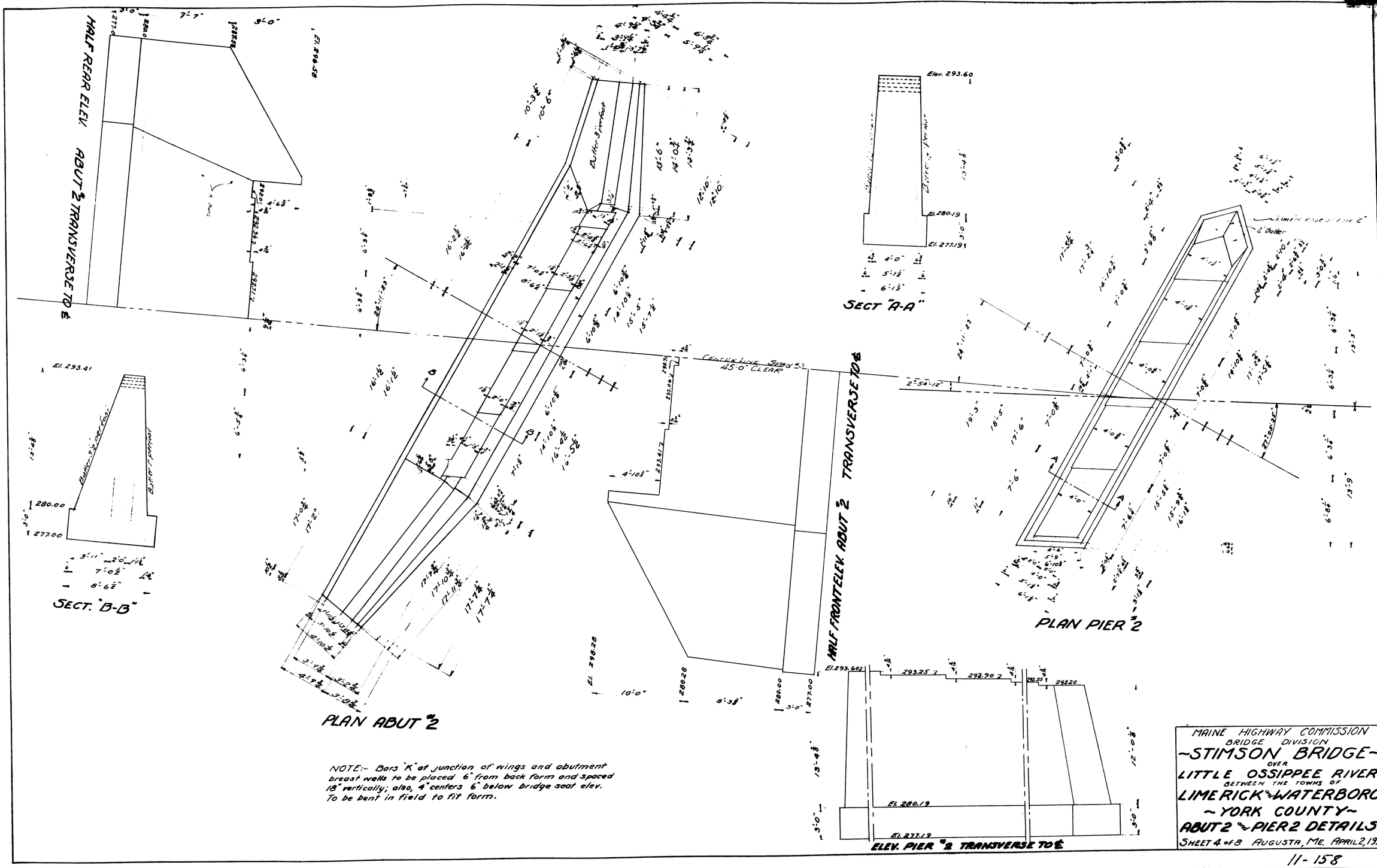
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

STIMSON BRIDGE
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
YORK COUNTY

DETAILS ~ ABUT. No. 1 & PIER No. 1
SHEET 3 OF 8 AUGUSTA, ME. APRIL 1, 1931

11-157

PLAN E.E.B.
Trace P.J.
Check



NOTE:- Bars "K" at junction of wings and abutment breast walls to be placed 6" from back form and spaced 18" vertically; also, 4" centers 6" below bridge seat elev. To be bent in field to fit form.

Di. 10 NEO-E.F.B.
Traced - C.F.S.
Checked

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

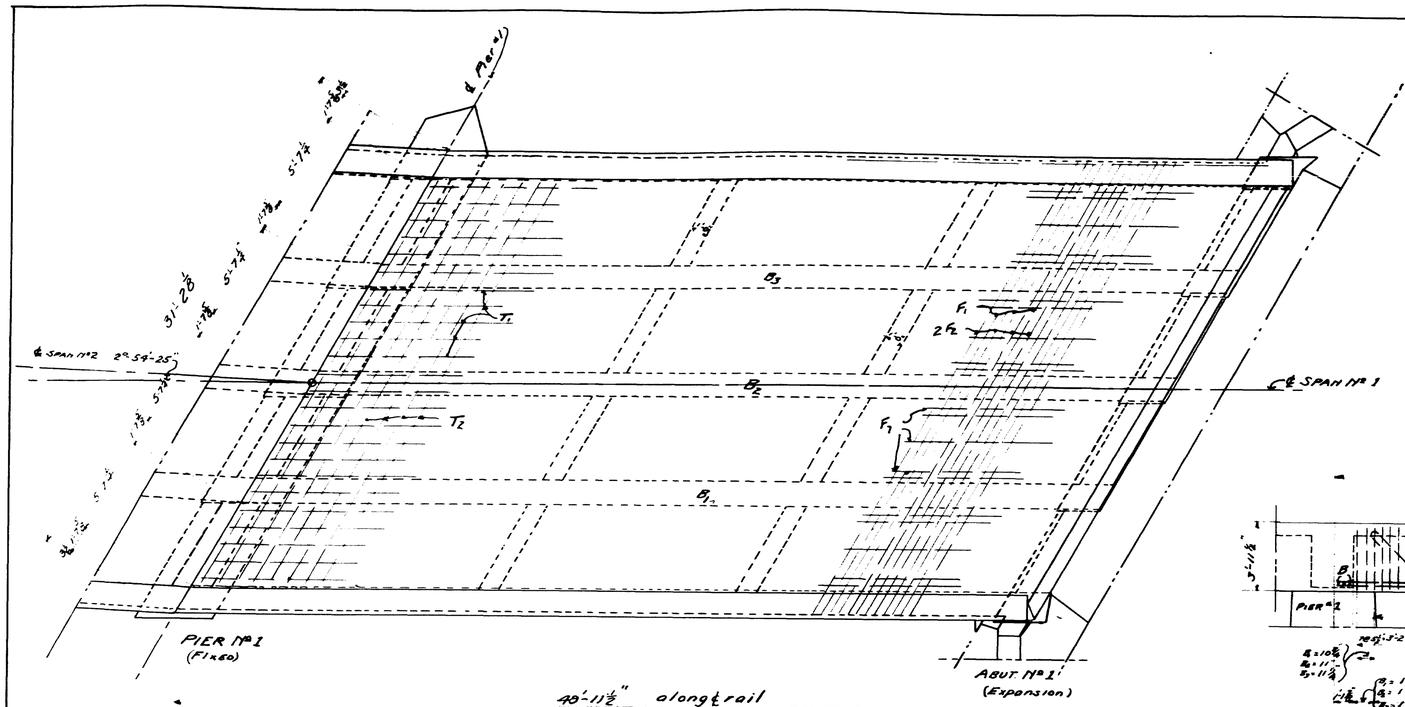
~STIMSON BRIDGE~
OVER
LITTLE OSSIPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
~YORK COUNTY~

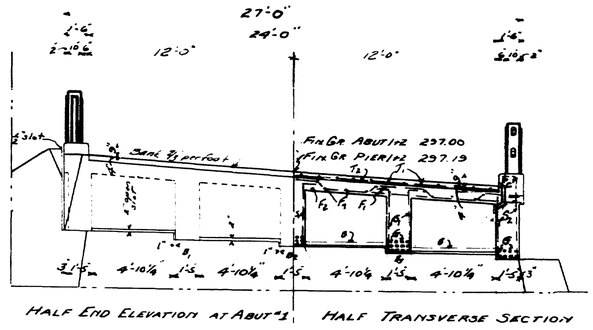
ABUT 2 & PIER 2 DETAILS

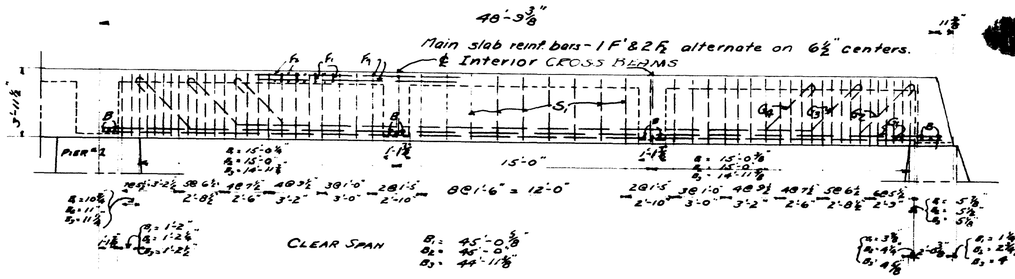
SHEET 4 of 8 AUGUSTA, ME. APRIL 2, 1931.

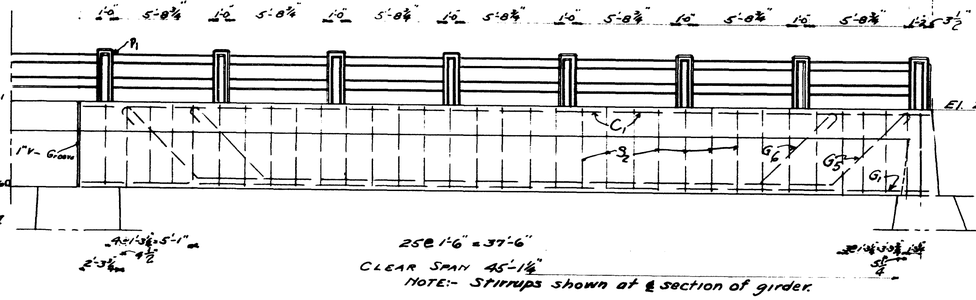
11-158

0 1 2 3 4 5 INCHES

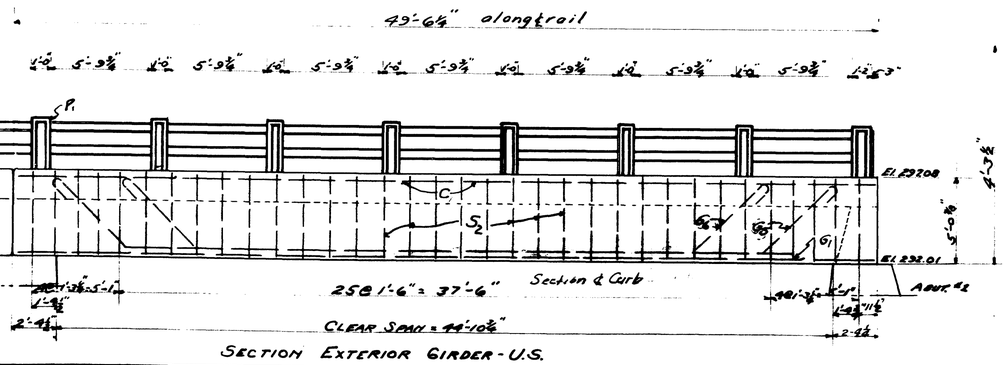






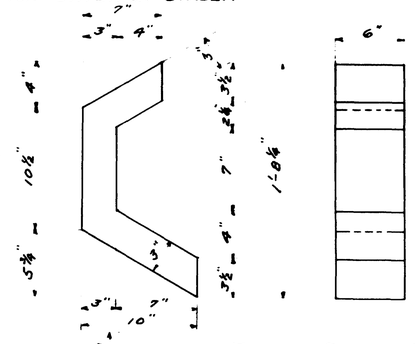


ELEVATION EXTERIOR GIRDER - D.S.

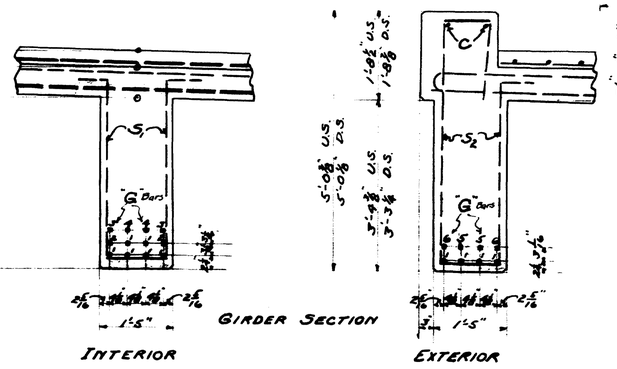


SECTION EXTERIOR GIRDER - U.S.

NOTE:- Cover the ½" slot between curb and wings, and the 2" opening between end cross-beams and bridge-seat on the backside 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 to be 10" wide. The area to be covered by the felt is to be recessed ½" by nailing thin strips to the forms before concrete is placed.



METAL DRAIN DETAILS
6 REQUIRED

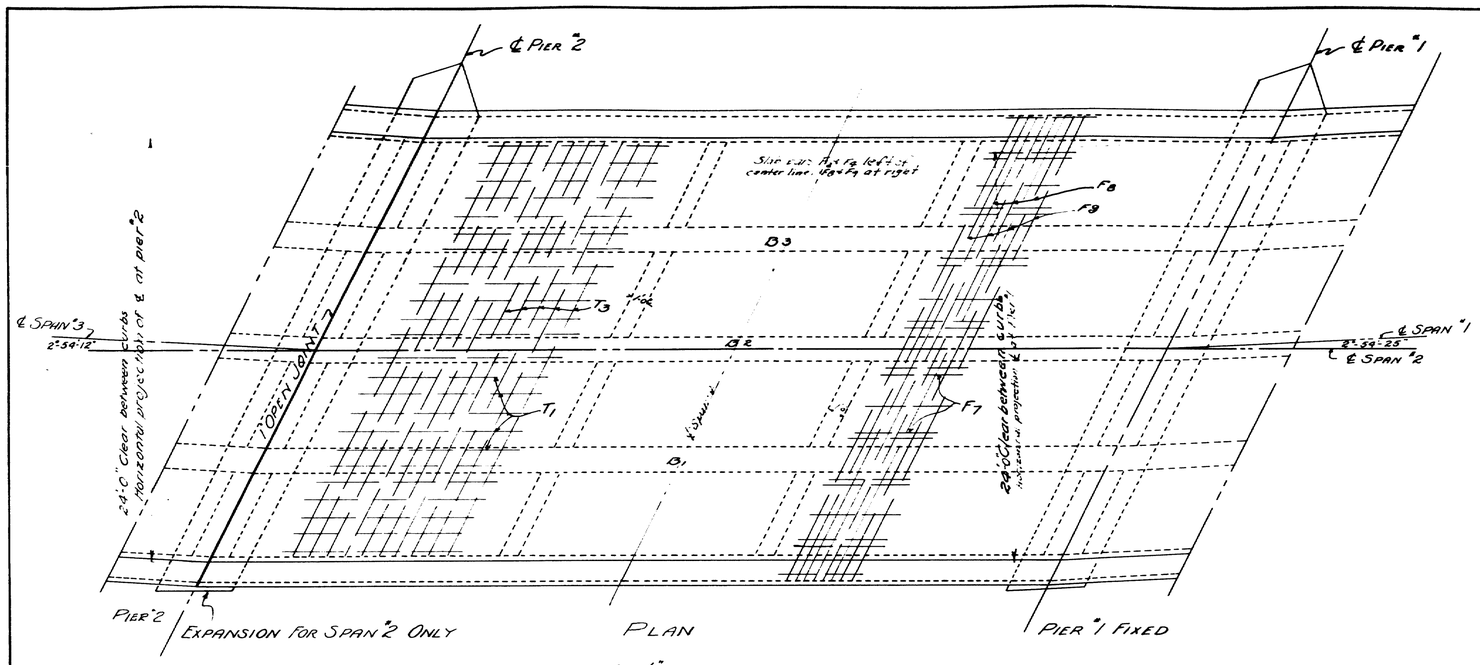


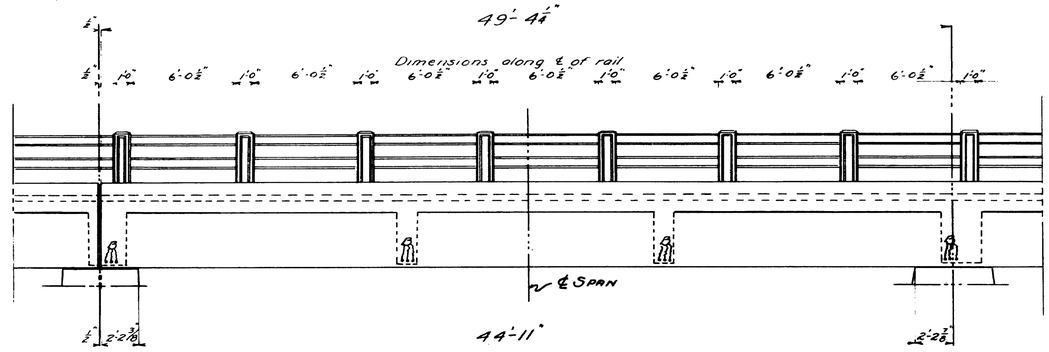
Gen. Plan — Plan
Pl. — Track
Curb — Curb

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
STIMSON BRIDGE
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
YORK COUNTY
SUP'STR. DETAILS — SPAN No 1
SHEET 5 OF 8 AUGUSTA, ME. APRIL 2, 1931

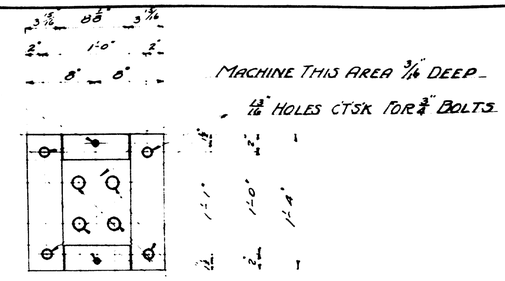
11-159

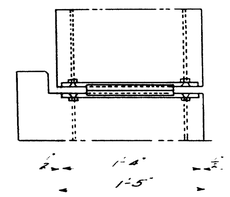
0 1 2 3 4 5 INCHES

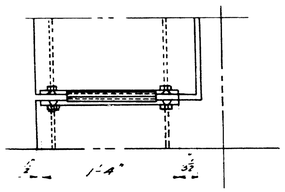




Note:- Space stirrups in Ext. GIRDERS same as for span "1




INTERIOR GIRDER TRANSVERSE SECTION


EXTERIOR GIRDER TRANSVERSE SECTION

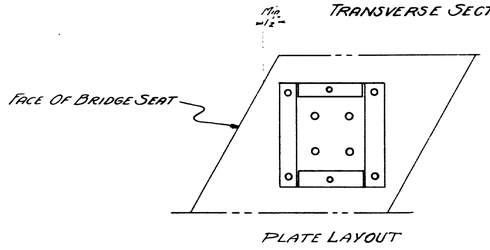


PLATE LAYOUT

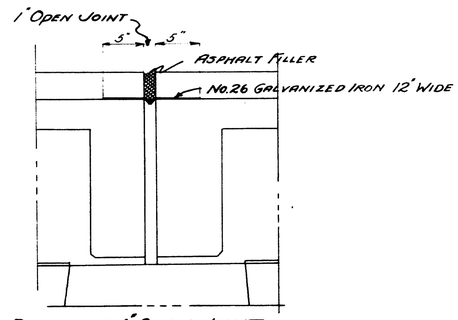
REQUIRED

30 Steel Plates 16"x 3/4 x1'-4"
30 Phosphor Bronze Plates 8" x 3/8 x 10"
120 Bolts 3/4 ø x1'-0" C'SK head threaded full length, with nuts
Grooves in steel plates to be cut 3/32 to 1/8 deeper than in center to allow machining of bed area.
Bronze plates to be finished smooth and true either by rolling or a final finishing cut.

Expansion Plates will be furnished by the commission F.O.B. nearest railway station.

BEARING DETAILS

Note: Transverse section same as for Span "1, except that all transverse dimensions vary.
Use same ℄ bars and space stirrups each way from ℄ of Span as in Span "1 for Interior and Exterior Beams



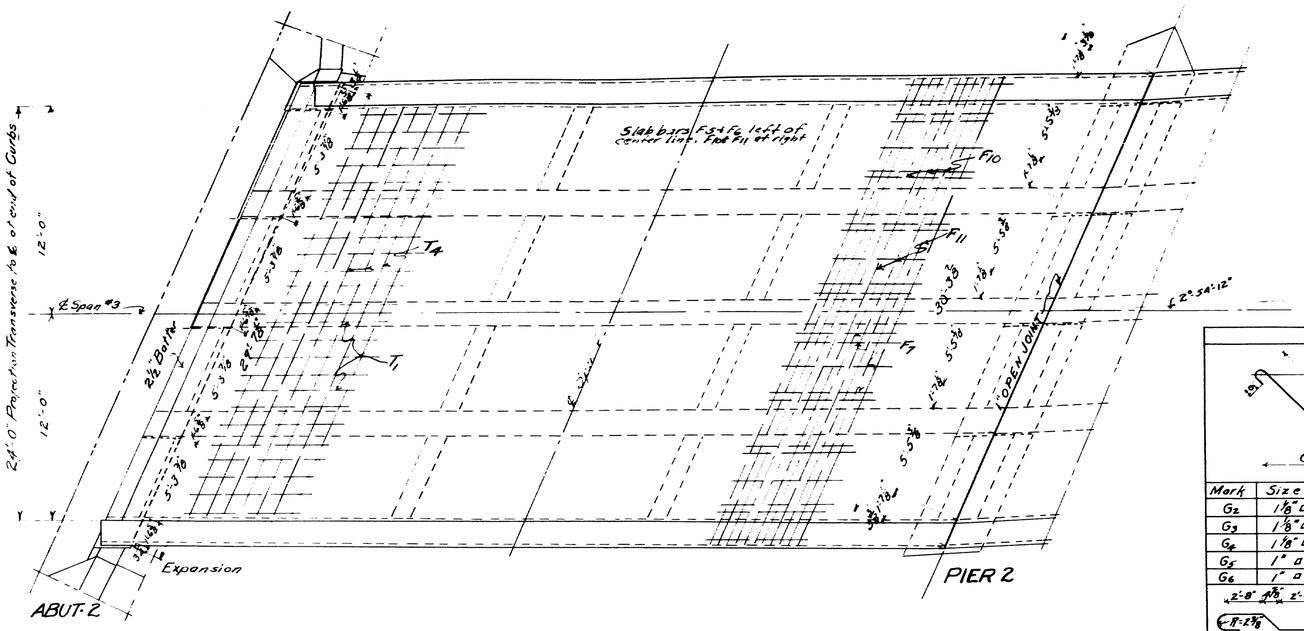
DETAIL OF 1" OPEN JOINT

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
~STIMSON BRIDGE~
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
~YORK COUNTY~
SPAN 2 & BEARING DETAILS
SHEET 6 of 8 AUGUSTA, ME. APRIL 3, 1931

DESIGN E.L.J.
TRACED C.F.S.
CHECKED

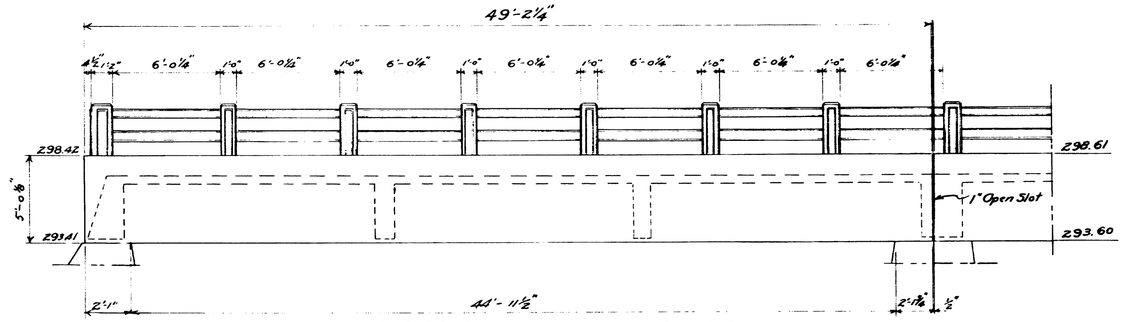
11-160

0 1 2 3 4 5 INCHES



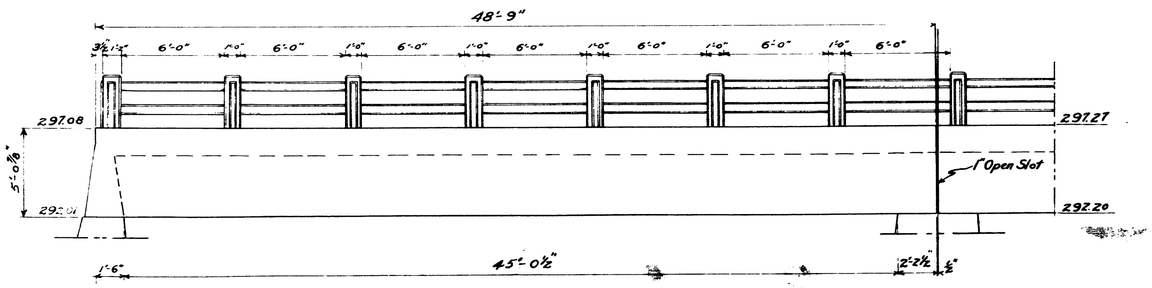
Note :- Cover the ½" slot between curb and wings and the 2" opening between end cross-beams and bridge-seat on the backside with two layers of heavy roofing felt. Coat surface of concrete and backside of each layer of felt as applied with hot tar or asphalt. Felt to be 10" wide. The area to be covered by the felt is to be recessed ¼" by nailing thin strips to the forms before concrete is placed.

Note: Transverse section same as for span #1 except that all transverse dimensions vary. Use same G-bars and space stirrups each way from ℄ of span as in Span #1 for Interior & Exterior Beams



LONG. SECT. EXT. GIRDER. - D.S. Dimensions along ℄ Rail

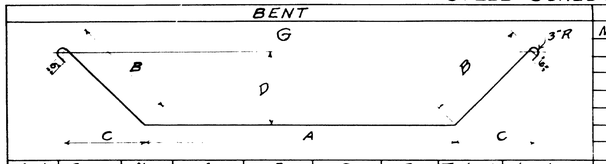
Note:- Space stirrups S_2 in EXT. GIRDERS same as for Span #1



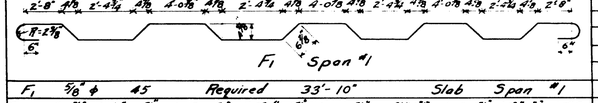
LONG. SECT. EXT. GIRDER. - U.S. Dimensions along ℄ Rail.

STEEL SCHEDULE

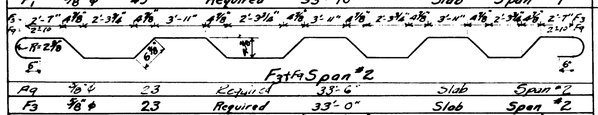
BENT



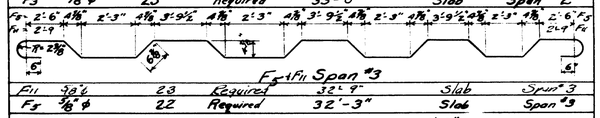
Mark	Size	No.	A	B	C	D	Tot. Length	Location
G_2	1⅛"□	18	38'-3½"	4'-6"	3'-4½"	3'-0"	49'-10¼"	Int Girders
G_3	1⅛"□	18	32'-1"	4'-1⅜"	3'-1⅛"	2'-9"	42'-11⅛"	" "
G_6	1⅛"□	18	25'-10½"	4'-1⅜"	3'-1⅛"	2'-9"	36'-8⅛"	" "
G_5	1"□	12	36'-3½"	5'-11"	4'-4½"	4'-0"	50'-8¼"	Ext "
G_6	1"□	12	27'-7"	5'-11"	4'-4½"	4'-0"	41'-11¼"	" "



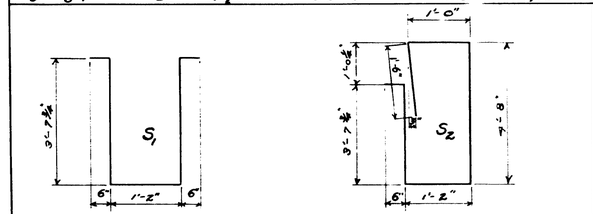
F_1	⅝"ϕ	45	Required	33'-10"	Slab	Span #1



F_4	⅝"ϕ	23	Required	33'-6"	Slab	Span #2
F_3	⅝"ϕ	23	Required	33'-0"	Slab	Span #2



F_{11}	⅜"ϕ	23	Required	32'-9"	Slab Span #3
F_3	⅝"ϕ	22	Required	32'-3"	Slab Span #3



S_1	½"ϕ	522	Required	9'-5½"	Int. Girders
S_2	½"ϕ	204	"	12'-5½"	Ext. "

STRAIGHT

Mark	Size	No. Req'd	Length	Location
G_1	1⅛"□	78	48'-10"	Int+Ext. Girders
F_2	⅝"ϕ	90	30'-9"	Slab Span #1
F_4	⅝"ϕ	44	30'-0"	" " #2
F_6	⅝"ϕ	44	29'-3"	" " #3
F_7	½"ϕ	54	48'-5"	Slab All Spans
T_1	⅜"ϕ	72	48'-6"	Wear. Surface All Spans
T_2	⅜"ϕ	50	27'-4½"	" " Span #1
T_3	⅜"ϕ	50	26'-7½"	" " " #2
T_4	⅜"ϕ	49	25'-11⅞"	" " " #3
K	¾"ϕ	56	8'-0"	Abuts + Wings
P	¾"ϕ	176	4'-0"	Conc. Rail Posts
C_1	½"ϕ	4	48'-5"	Curbs Span #1
C_2	½"ϕ	4	49'-1"	" " #2
C_3	½"ϕ	4	48'-3"	" " #3
R_1	⅜"ϕ	56	6'-0½"	Rails Span #1
R_2	⅜"ϕ	112	6'-4"	Rails Span 2+3
B	¾"ϕ	144	7'-0"	Cross Beams
F_5	⅝"ϕ	46	30'-6"	Slab Span #2
F_{10}	⅝"ϕ	46	29'-9"	Slab Span #3

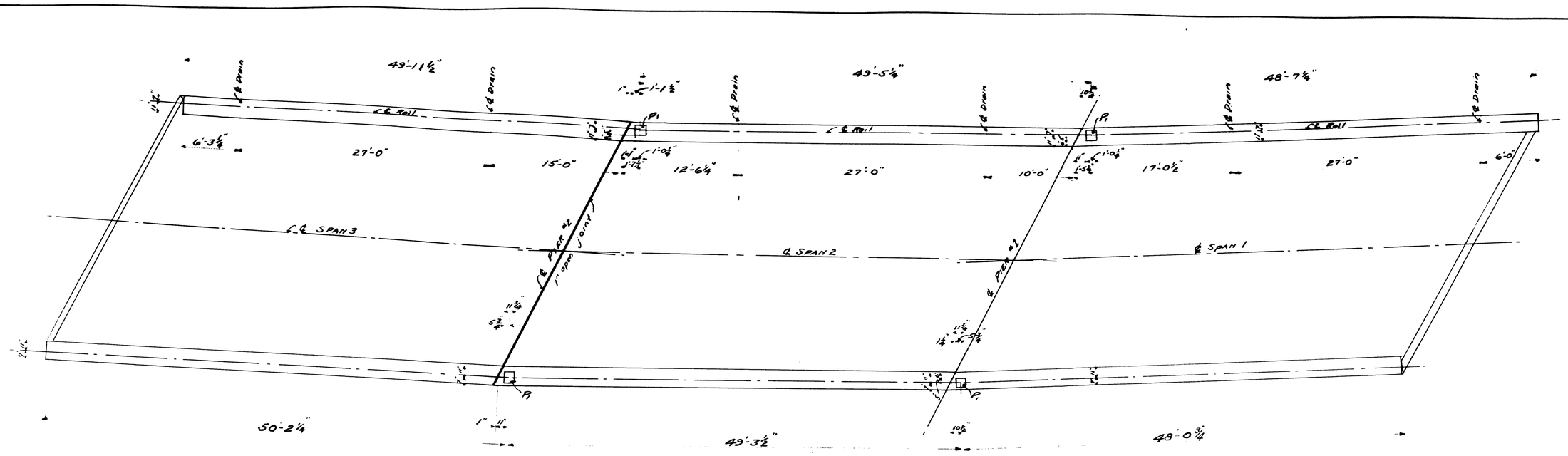
All steel to be plain round and square bars of structural grade. Dimensions are to centers of bars.

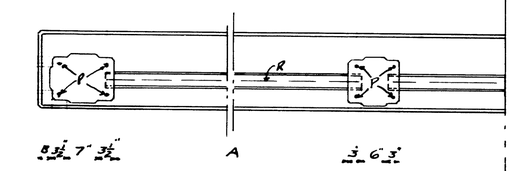
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
STIMSON BRIDGE
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
YORK COUNTY
SPAN #3 — STEEL SCHEDULE
SHEET 7 of 8 AUGUSTA, ME. APRIL 1931

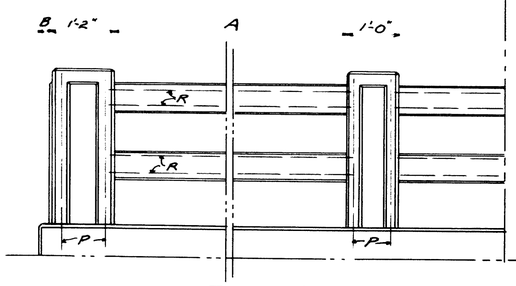
11-161

ERB — PLAN
L. S. — TRACE
C. W. — CHECK

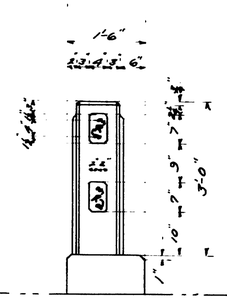
0 1 2 3 4 5 INCHES







RAIL DETAIL



RAIL DIMENSIONS

SPAN #1

	U.S.	D.S.
LENGTH A =	5'-9¾"	5'-8¾"
" B =	3'-1"	3'-2"
" C =	4½"	5"
" D =	6'-0¾"	5'-11⅜"

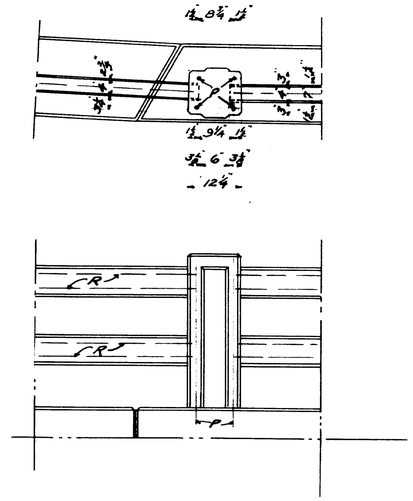
SPAN #2

	U.S.	D.S.
LENGTH A =	6'-0¾"	6'-0½"
" D =	6'-3⅜"	6'-3½"

SPAN #3

	U.S.	D.S.
LENGTH A =	6'-0"	6'-0⅜"
" B =	3½"	4½"
" C =	5"	6"
" D =	6'-3"	6'-3⅜"

NOTE:- Steel for posts to be set in curb. Precast rail-bars in lengths of (A-5"). Place rail bars in position with ends projecting into post forms 2½". Wrap ends 6" with two thicknesses of light roofing felt. Fold in ends, and when post forms are removed cut away all exposed felt. Panels on posts to be ⅞" thick. Chamfer all exposed edges of concrete ½" unless otherwise indicated.



DETAIL ~ RAIL POST "P"

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

STIMSON BRIDGE
OVER
LITTLE OSSIPPEE RIVER
BETWEEN THE TOWNS OF
LIMERICK & WATERBORO
YORK COUNTY

RAIL LAYOUT & DETAILS.

SHEET 8 OF 8 SHEETS AUGUSTA, ME. APRIL 3, 19

11-169

PLAN - [illegible]
TRACE - [illegible]
CHECK - [illegible]

0 1 2 3 4 5 INCHES