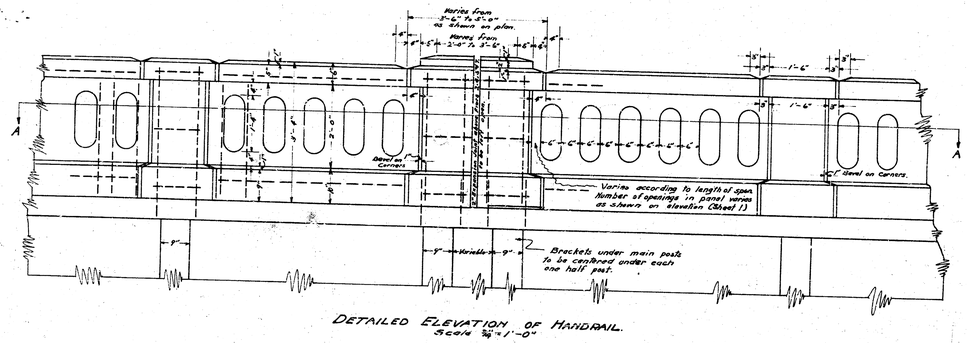
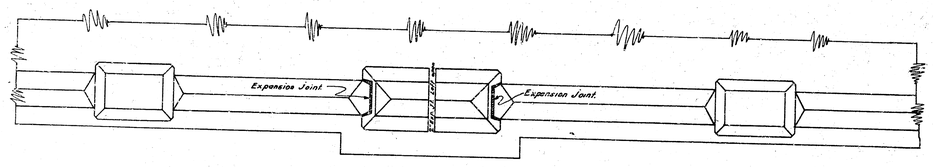


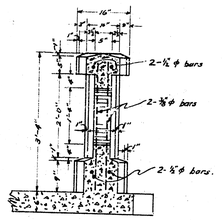
HORIZONTAL SECTION OF HANDRAIL AT LINE A-A ON ELEVATION.
Scale ⅜"=1'-0"



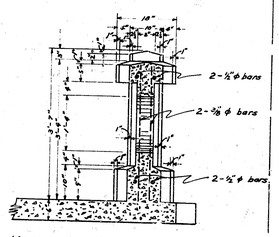
DETAILED ELEVATION OF HANDRAIL.
Scale ⅜"=1'-0"



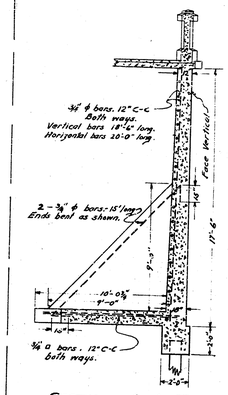
PLAN OF HANDRAIL
Scale ⅜"=1'-0"



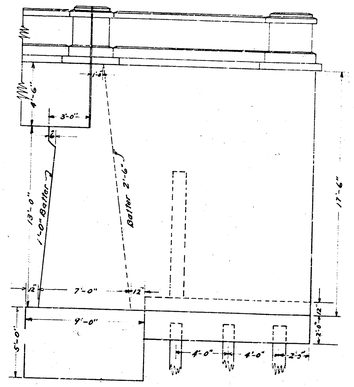
VERTICAL SECTION OF HANDRAIL SHOWING SECONDARY POST
Scale ⅜"=1'-0"



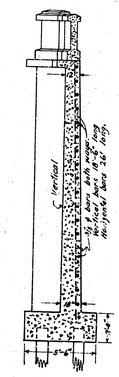
VERTICAL SECTION OF HANDRAIL SHOWING PRIMARY POST
Scale ⅜"=1'-0"



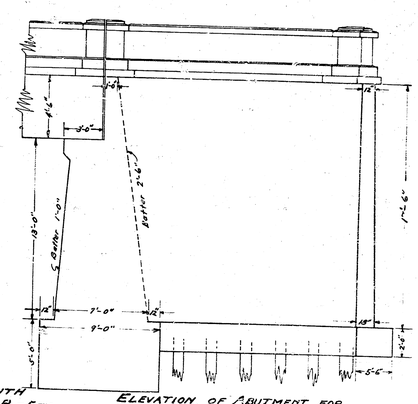
SECTION A-A. THRU NORTH ABUTMENT WALL. (SHEET 1)
Scale ⅛"=1'-0"



ELEVATION OF ABUTMENTS FOR NORTH END OF BRIDGE.
Scale ⅛"=1'-0"



CROSS SECTION OF SOUTH ABUTMENT WALL AT B-B, -5FT. FROM END OF ABUTMENT. (SHEET 1)
Scale ⅛"=1'-0"

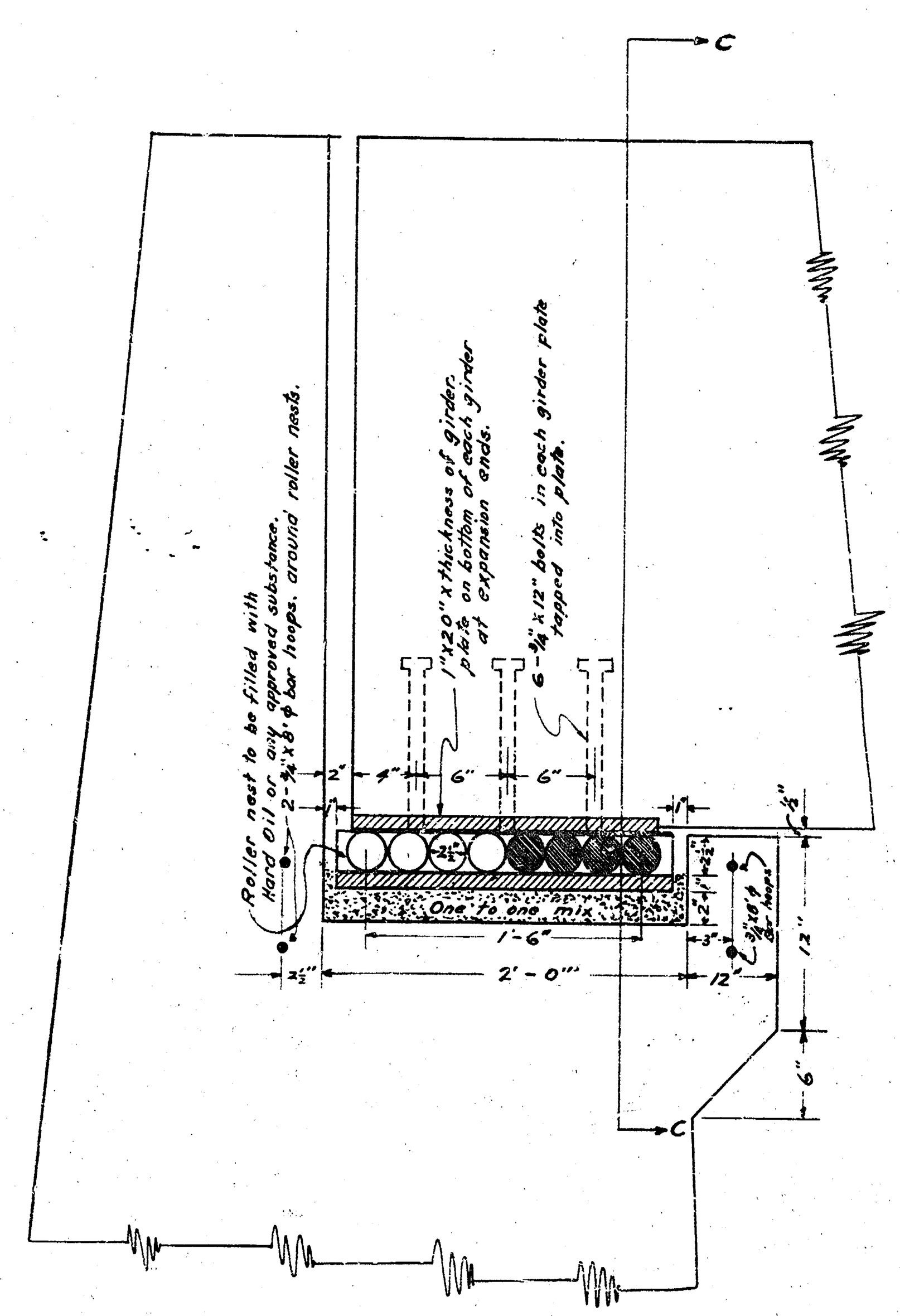


ELEVATION OF ABUTMENT FOR SOUTH END OF BRIDGE.
Scale ⅛"=1'-0"

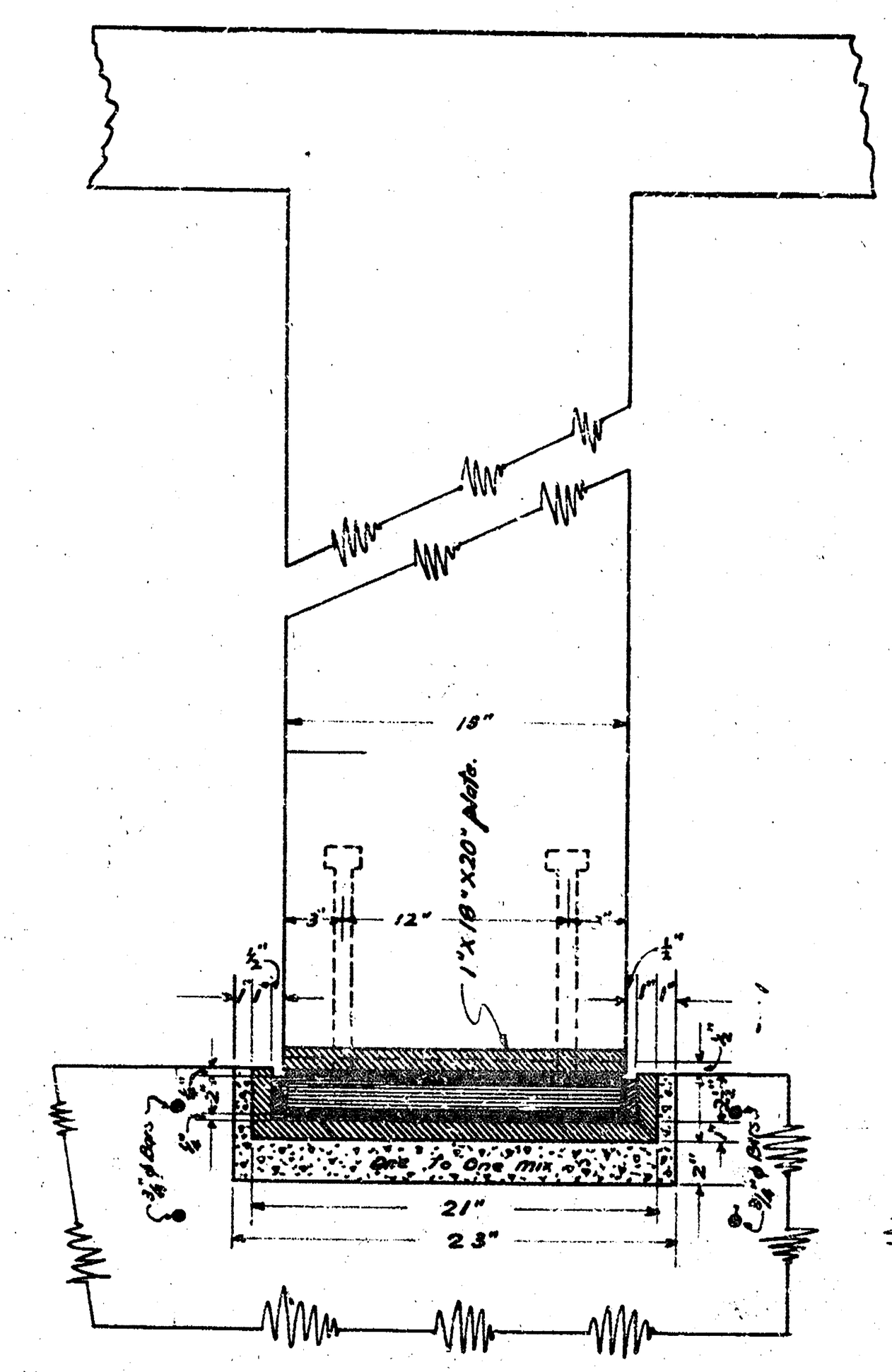
APPROVED BY BOARD OF CITY COMMISSIONERS
SEPTEMBER 2ND 1924.
Thomas City Clerk.

SENECA STREET BRIDGE.
DETAILS OF HANDRAIL AND ABUTMENT WALLS.
WICHITA KANSAS.
DESIGNED BY R.L.BROCKWAY & D.C.MOEHRING
DRAWN BY H.R.MUSICK
AUG. 1924
IN 5 SHEETS SHEET 4

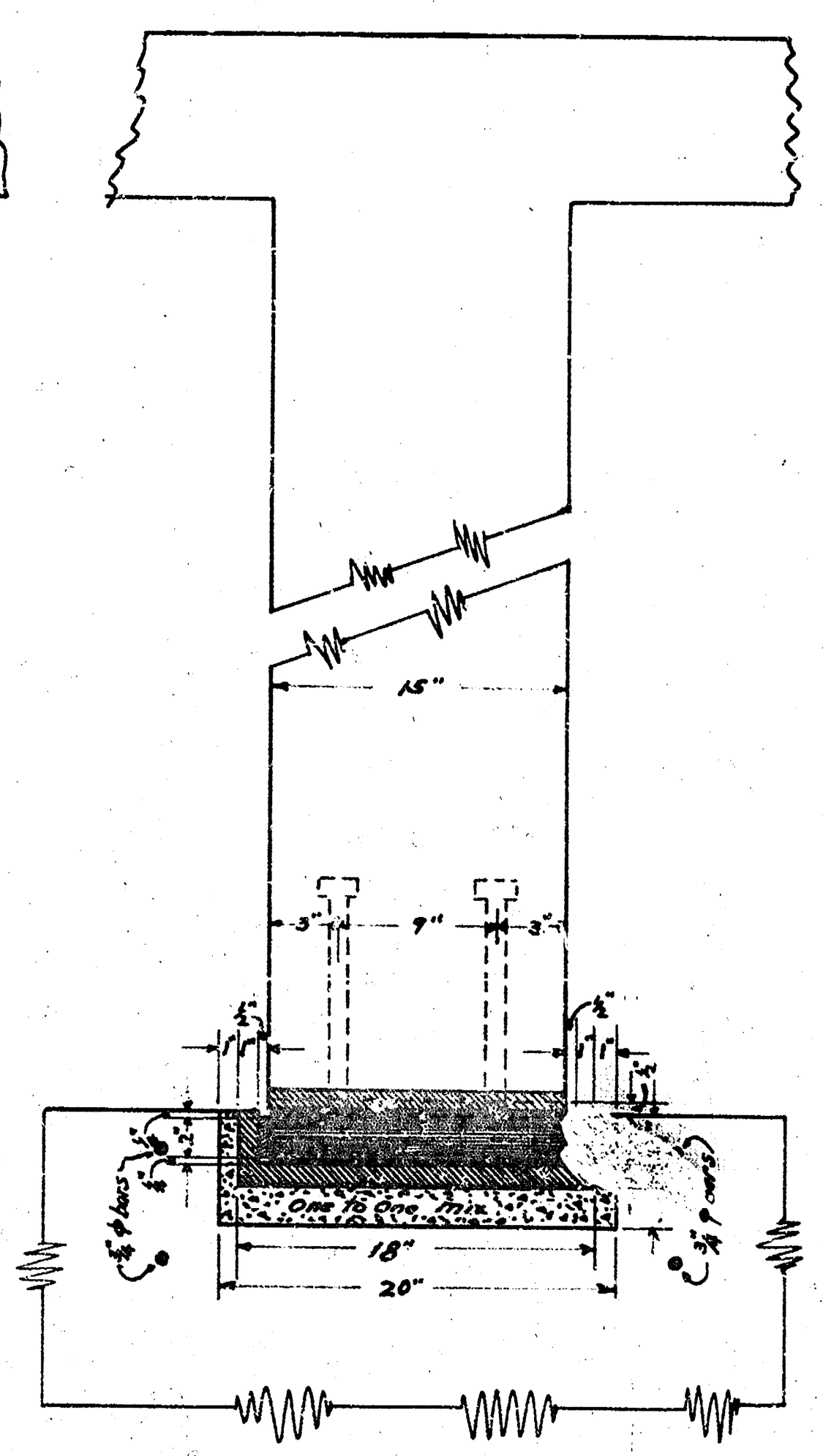
Seneca St.
Big Ark. R.
Bridge 5



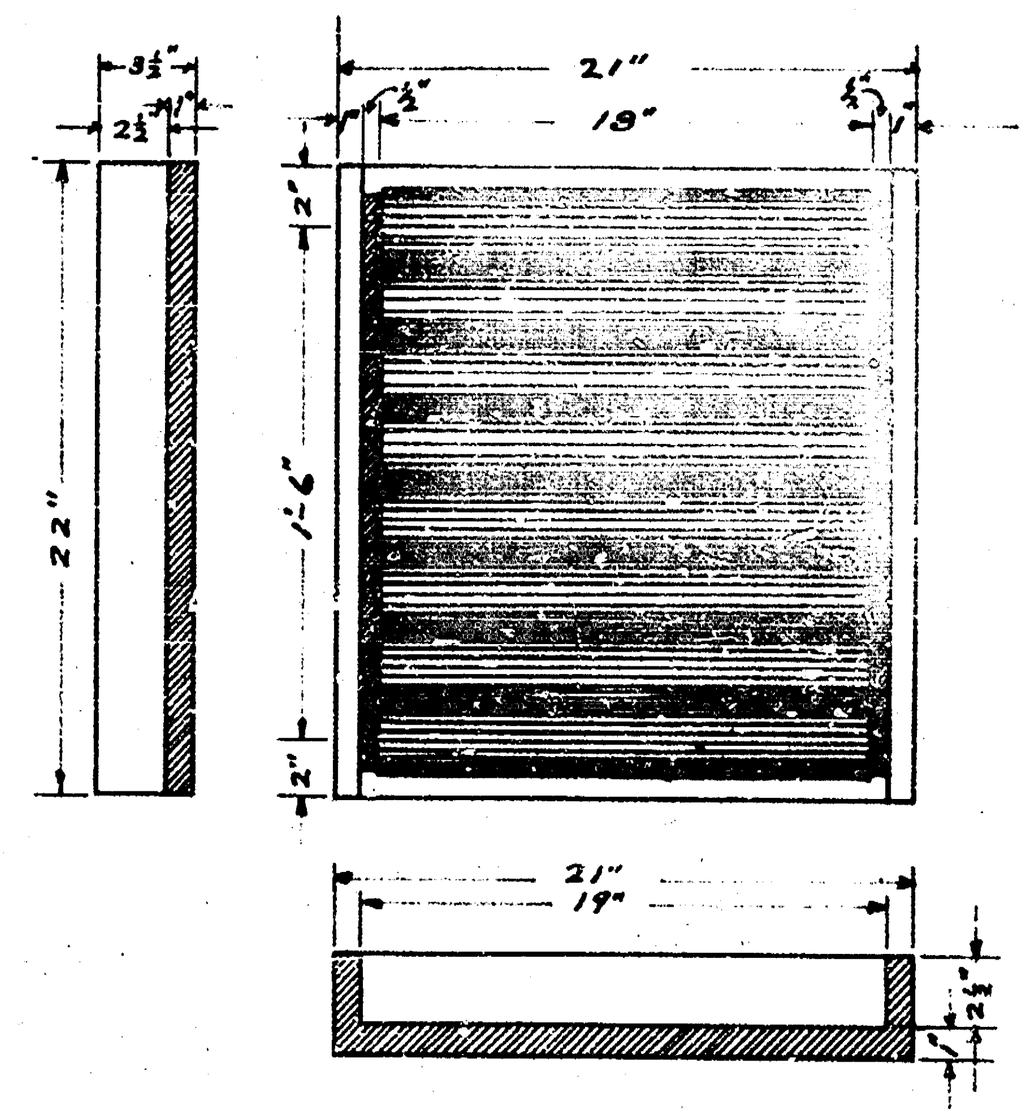
'Section Thru Roller Nest in Abutment.
Scale 1½"=1'-0"



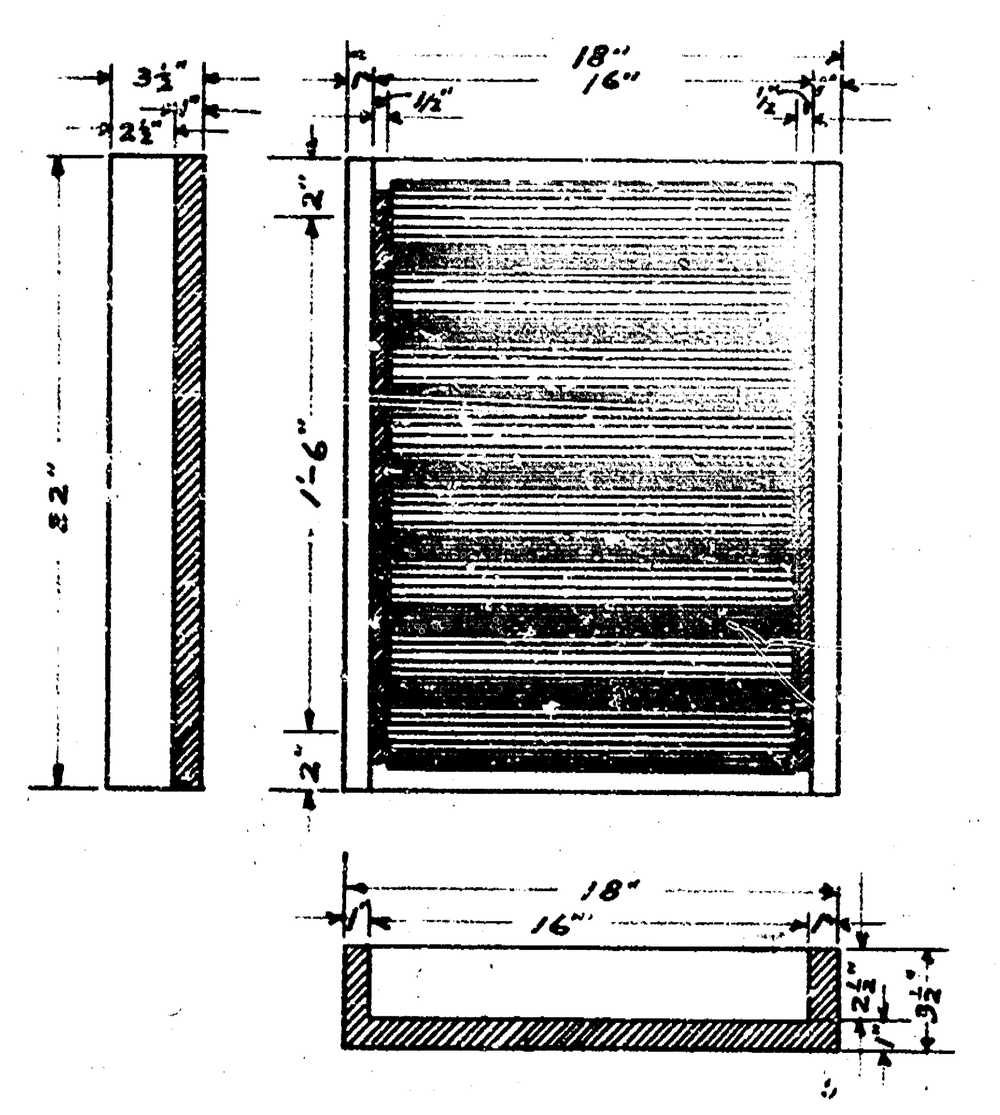
Section C-C of All 18" Girders.
Scale 1½"=1'-0"



Section C-C of All 15" Girders
Scale 1½"=1'-0"



Plan of Roller Nest for All 18" Girders, Showing Sections of Frame.
Scale 1½"=1'-0"



Plan of Roller Nest for All 15" Girders, Showing Sections of Frame.
Use 6- ¾"x12" Bolts Tapped into Bottom Plate of Roller Nest. for Upper Step in Pier. Same Position as Bolts in Girder Plates.
Scale 1½"=1'-0"

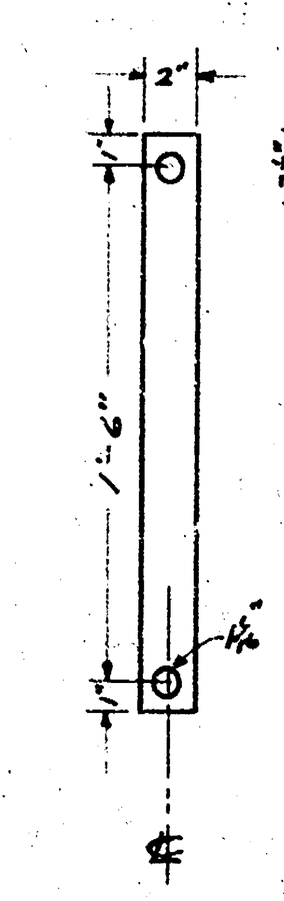
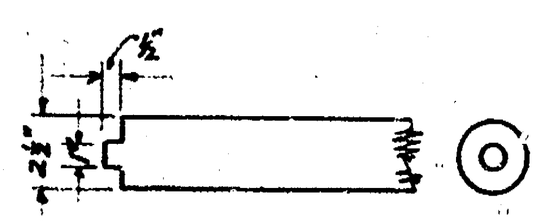
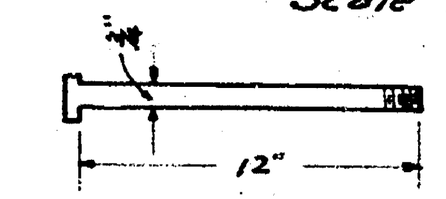


Plate with Holes for Holding Two End Rollers in Place.
Scale 1½"=1'-0"



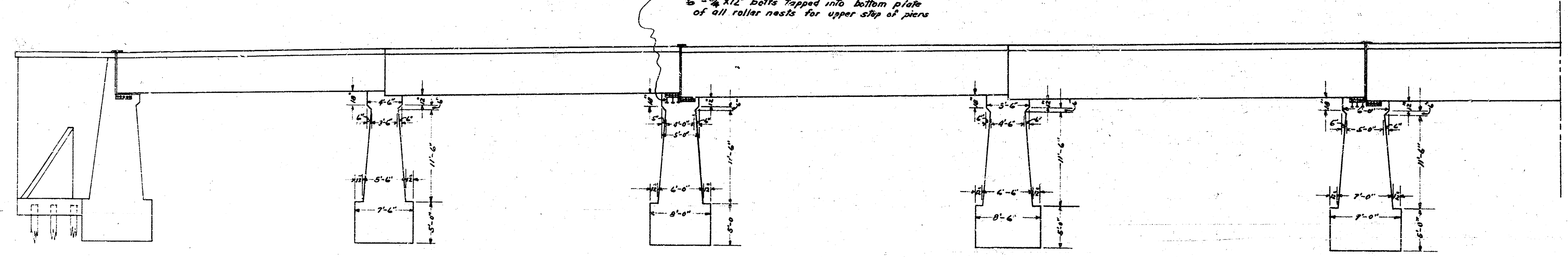
End Roller
Scale 1½"=1'-0"



Bolt ¾" x 12"
Requires 6 in each girder plate and 6 in each roller nest for upper step in piers.
Scale 1½"=1'-0"

Approved by Board of City Commissioners
September 2nd 1924
[signature] City Clerk

Note:
6 - ¾"x12" bolts tapped into bottom plate of all roller nests for upper step of piers

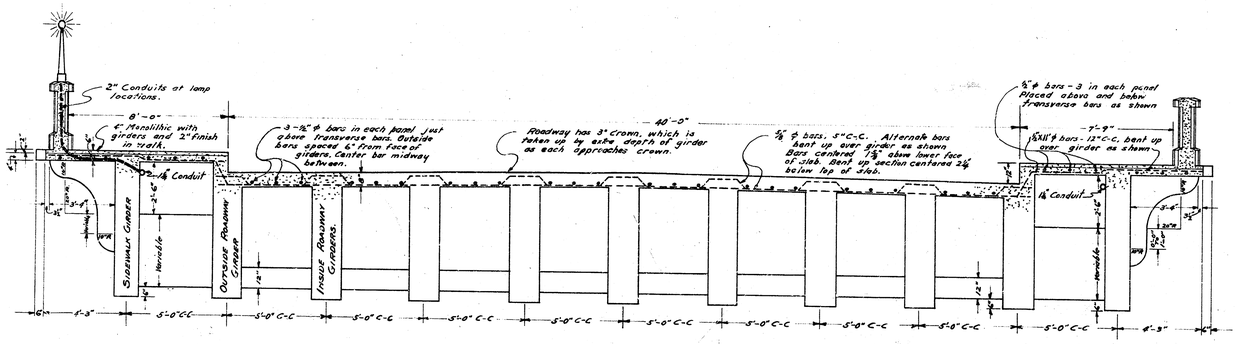


One Half Cross Section of Piers, Girders and Floor Slab. Showing 6" Step in Piers to Accommodate Extra Depth in Girders, also Rollers at Expansion Ends of Girders.
Scale 1/8"=1'-0"

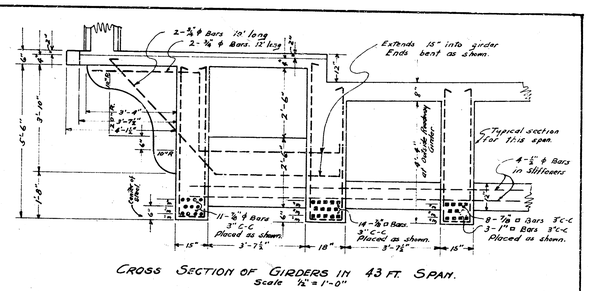
Seneca Street Bridge
Detail of Roller Nests also Piers Showing Six Inch Step.
Wichita Kansas.

Designed By
P.L. Brockway & D.C. Moehring.
Drawn By H.P. Musick.
Aug. 1924.

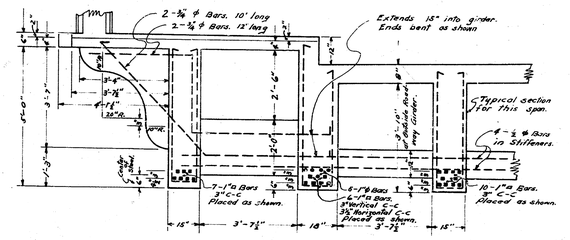
In 5 Sheets Sheet 5



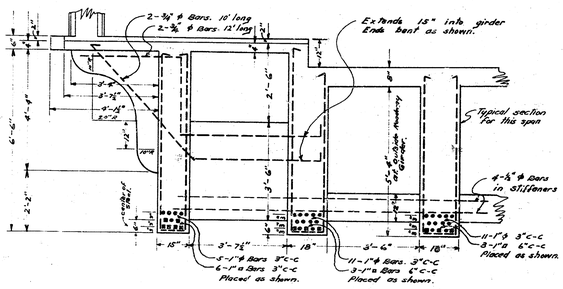
GENERAL CROSS SECTION OF BRIDGE
SEE DETAILS ON THIS SHEET FOR GIRDERS IN EACH SPAN
Scale: 3/16"= 1'-0"



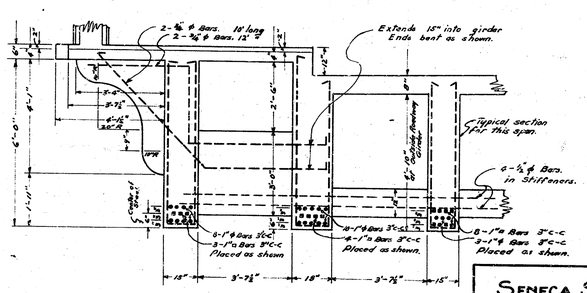
CROSS SECTION OF GIRDERS IN 43 FT. SPAN.
Scale ½"= 1'-0"



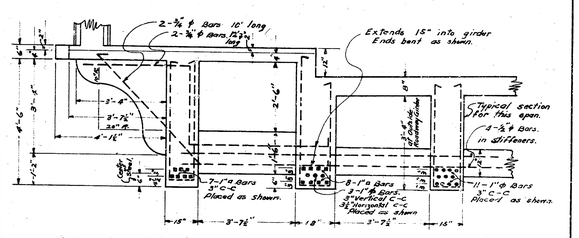
CROSS SECTION OF GIRDERS IN 39FT. SPAN
Scale ½"= 1'-0"



CROSS SECTION OF GIRDERS IN 51FT. SPAN.
Scale ½"= 1'-0"



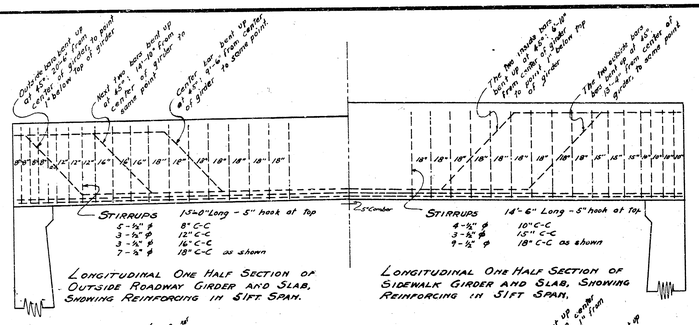
CROSS SECTION OF GIRDERS IN 47 FT. SPAN
Scale: ½"= 1'-0"



CROSS SECTION OF GIRDERS IN 35FT. SPAN.
Scale ½"= 1'-0"

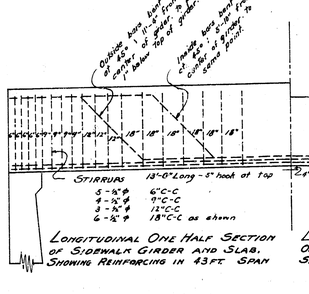
APPROVED BY BOARD OF CITY COMMISSIONERS
SEPTEMBER 2ND 1924.
Motsly City Clerk

SENECA STREET BRIDGE
CROSS SECTIONS OF GIRDERS
WICHITA KANSAS
DESIGNED BY
P.L. BROCKWAY & D.C. MOEHRING
DRAWN BY H.P. MUSICK.
AUG., 1924.
IN 5 SHEETS SHEET 3.

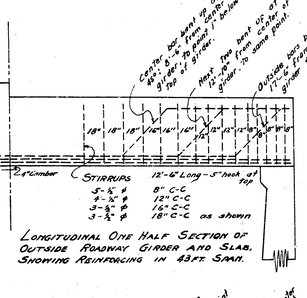


Longitudinal One Half Section of Outside Roadway Girder and Slab, Showing Reinforcing in 51ft Span.

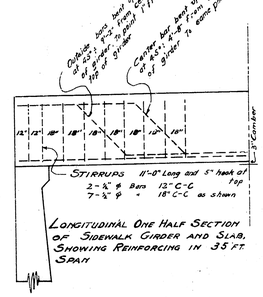
Longitudinal One Half Section of Sidewalk Girder and Slab, Showing Reinforcing in 51ft Span.



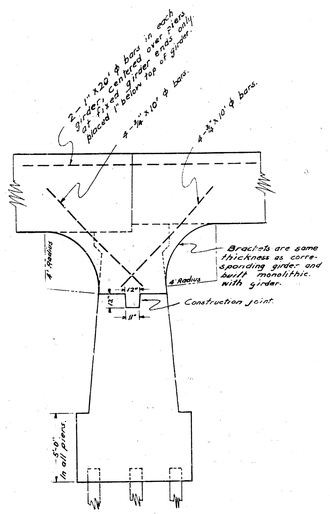
Longitudinal One Half Section of Sidewalk Girder and Slab, Showing Reinforcing in 43ft. Span



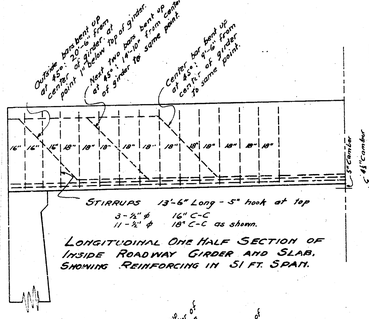
Longitudinal One Half Section of Outside Roadway Girder and Slab, Showing Reinforcing in 43ft. Span.



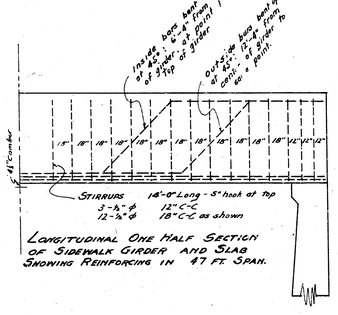
Longitudinal One Half Section of Sidewalk Girder and Slab, Showing Reinforcing in 35 ft. Span



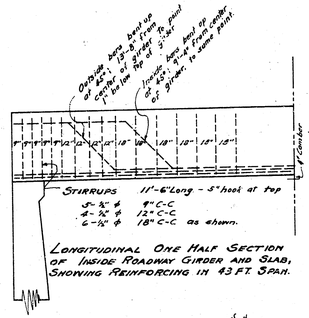
Details of Construction of Piers Numbered 1, 3, 6 and 8 on Elevation. (Sheet 1) Showing Construction Joint in Pier, Brackets and Special Reinforcing



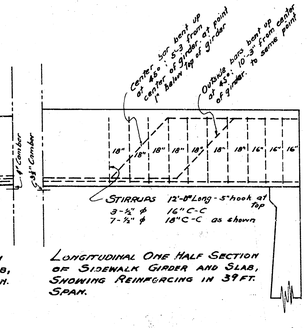
Longitudinal One Half Section of Inside Roadway Girder and Slab, Showing Reinforcing in 51 ft. Span.



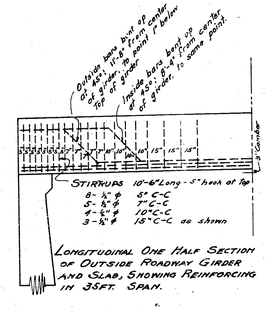
Longitudinal One Half Section of Sidewalk Girder and Slab Showing Reinforcing in 47 ft. Span.



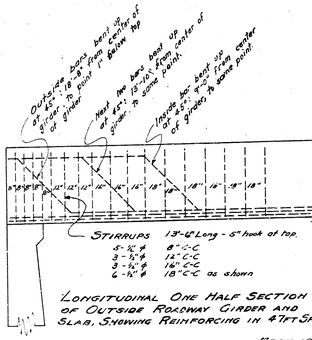
Longitudinal One Half Section of Inside Roadway Girder and Slab, Showing Reinforcing in 43 ft. Span.



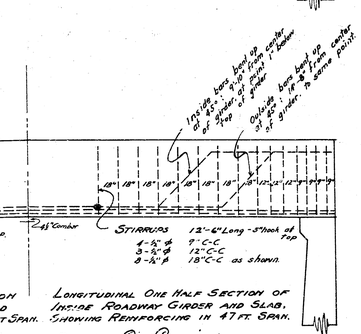
Longitudinal One Half Section of Sidewalk Girder and Slab, Showing Reinforcing in 39 ft. Span.



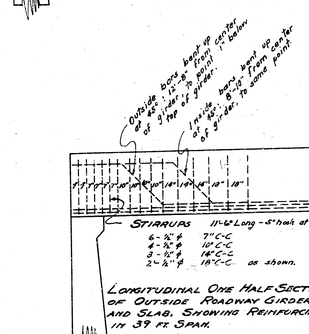
Longitudinal One Half Section of Outside Roadway Girder and Slab, Showing Reinforcing in 35ft. Span.



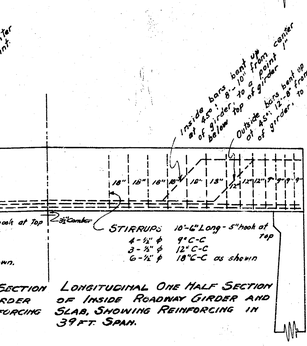
Longitudinal One Half Section of Outside Roadway Girder and Slab, Showing Reinforcing in 47ft Span.



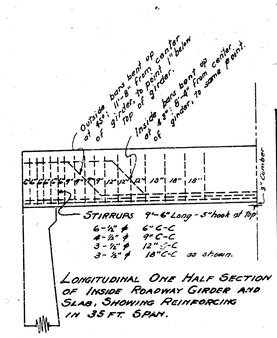
Longitudinal One Half Section of Inside Roadway Girder and Slab, Showing Reinforcing in 47 ft. Span.



Longitudinal One Half Section of Outside Roadway Girder and Slab, Showing Reinforcing in 39 ft. Span.



Longitudinal One Half Section of Inside Roadway Girder and Slab, Showing Reinforcing in 39 ft. Span.



Longitudinal One Half Section of Inside Roadway Girder and Slab, Showing Reinforcing in 35 ft. Span.

Approved by Board of City Commissioners
September 2nd 1924.
J. Mottl City Clerk

Seneca Street Bridge.

Longitudinal Section of Girders

Wichita Kansas

Designed By P. L. Brockway & D. C. Moehring

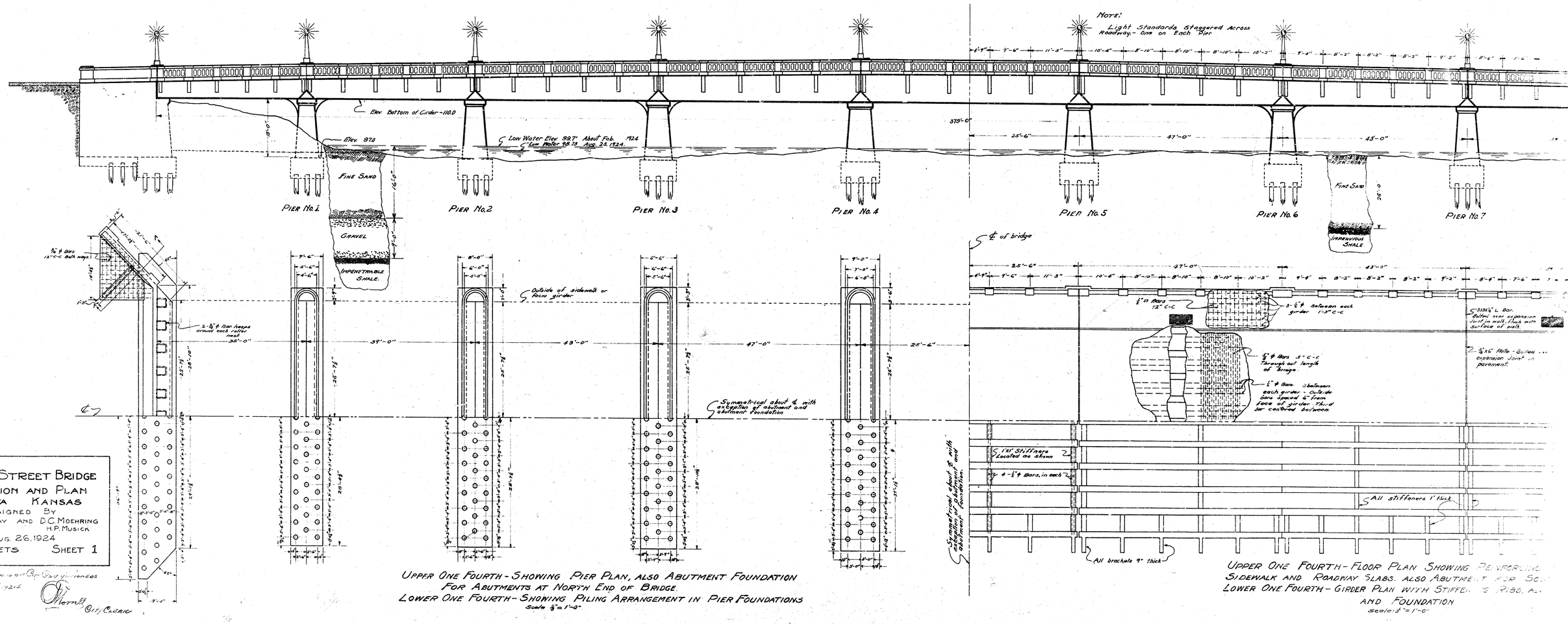
Drawn By H. P. Musick

Aug., 1924.

In 5 Sheets Sheet 2.

Scale: ⅜" = 1'-0"

SENECA STREET BRIDGE



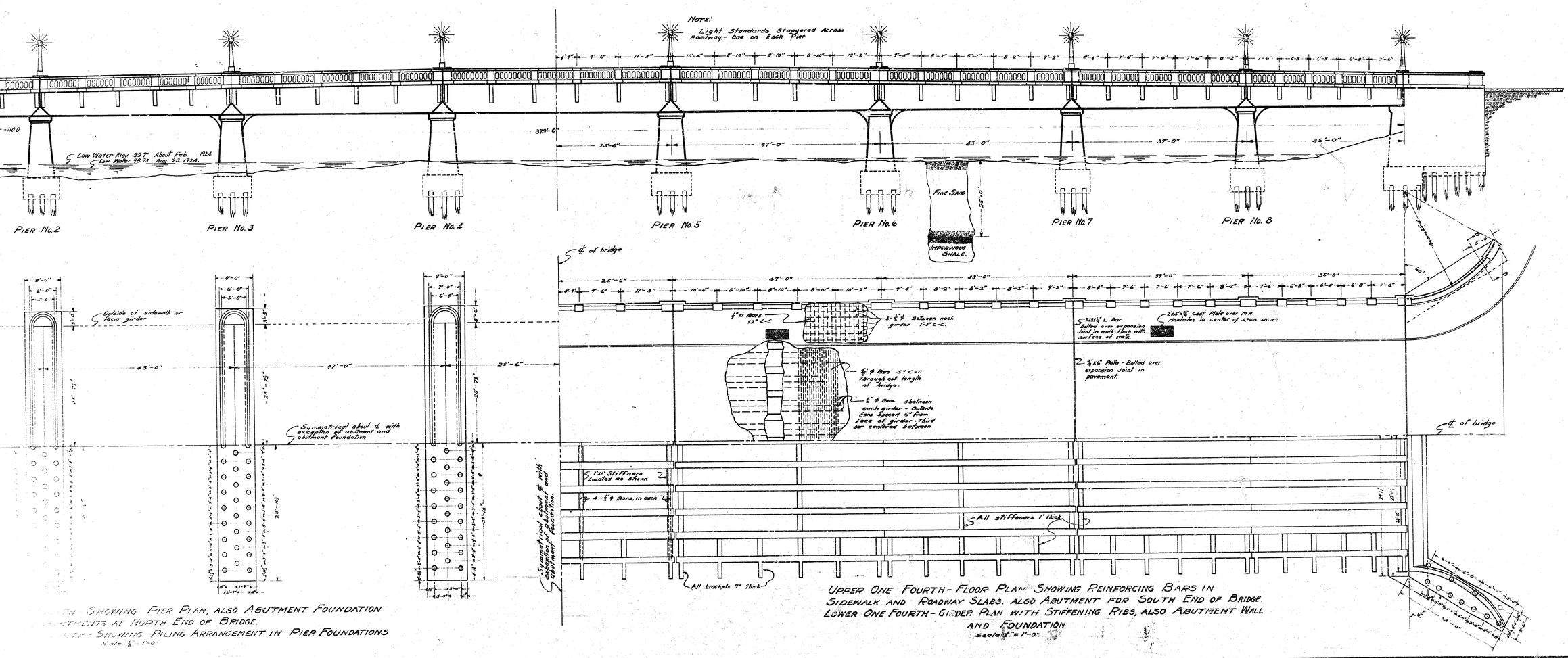
SENECA STREET BRIDGE
ELEVATION AND PLAN
WICHITA KANSAS
DESIGNED BY
P.L. BROCKWAY AND D.C. MOEHRING
DRAWN BY H.P. MUSICK
AUG. 26, 1924
14 SHEETS SHEET 1

Approved by Board of City Commissioners
March 5th 1924
Harold Neff City Clerk

UPPER ONE FOURTH - SHOWING PIER PLAN, ALSO ABUTMENT FOUNDATION FOR ABUTMENTS AT NORTH END OF BRIDGE.
LOWER ONE FOURTH - SHOWING PILING ARRANGEMENT IN PIER FOUNDATIONS
Scale ⅜"=1'-0"

UPPER ONE FOURTH - FLOOR PLAN SHOWING REINFORCING SIDEWALK AND ROADWAY SLABS. ALSO ABUTMENT FOR SOUTH
LOWER ONE FOURTH - GIRDER PLAN WITH STIFFENING RIBS, AND FOUNDATION
Scale: ⅜"=1'-0"

SENECA STREET BRIDGE



...TH - SHOWING PIER PLAN, ALSO ABUTMENT FOUNDATION AT CUTOFFS AT NORTH END OF BRIDGE.
...TH - SHOWING PILING ARRANGEMENT IN PIER FOUNDATIONS
Scale ⅛" = 1'-0"

UPPER ONE FOURTH - FLOOR PLAN SHOWING REINFORCING BARS IN SIDEWALK AND ROADWAY SLABS. ALSO ABUTMENT FOR SOUTH END OF BRIDGE.
LOWER ONE FOURTH - GIRDER PLAN WITH STIFFENING RIBS, ALSO ABUTMENT WALL AND FOUNDATION
Scale ⅛" = 1'-0"