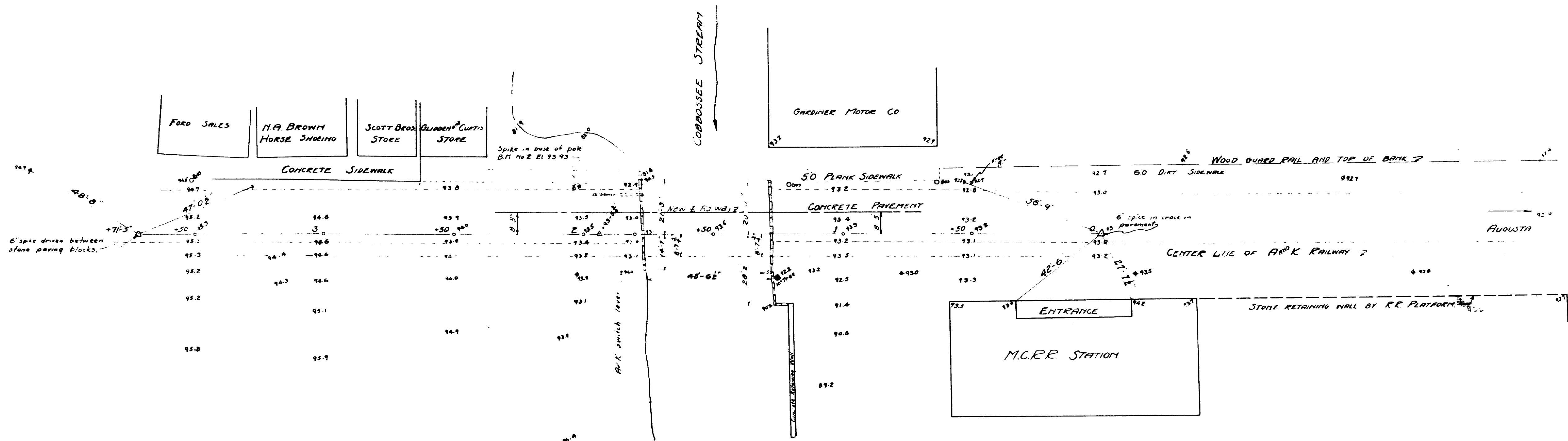
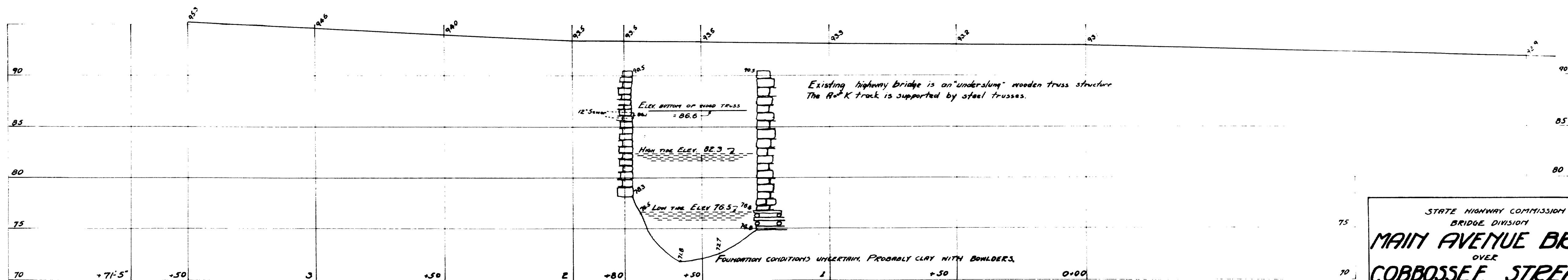




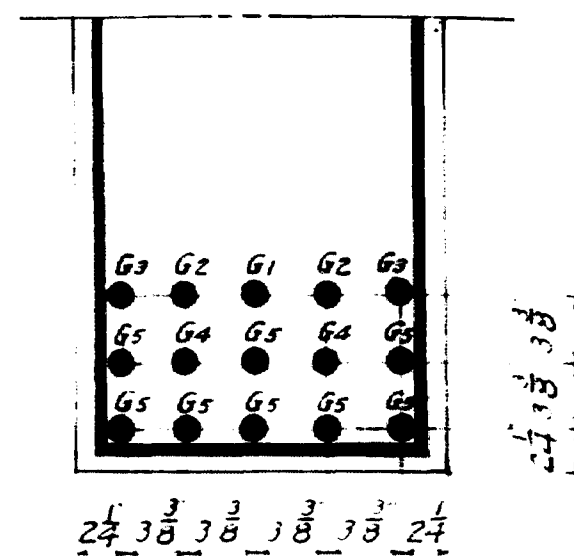
PLAN
SCALE - 1" = 20'



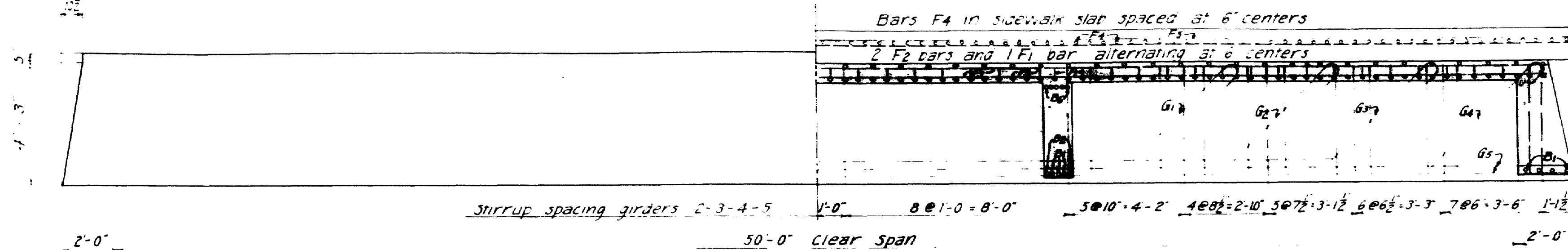
PROFILE
Scale H - 1" = 20'
V - 1" = 5'

SURVEYED BY H.L.D.
PLOTTED BY H.L.D.
TRACED BY H.L.D.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
MAIN AVENUE BRIDGE
OVER
COBBOSSEE STREAM
IN THE CITY OF
GARDNER, KENNEBEC CO.
SURVEY PLAN
SHEET 1 OF AUGUSTA, ME APRIL 23, 1951

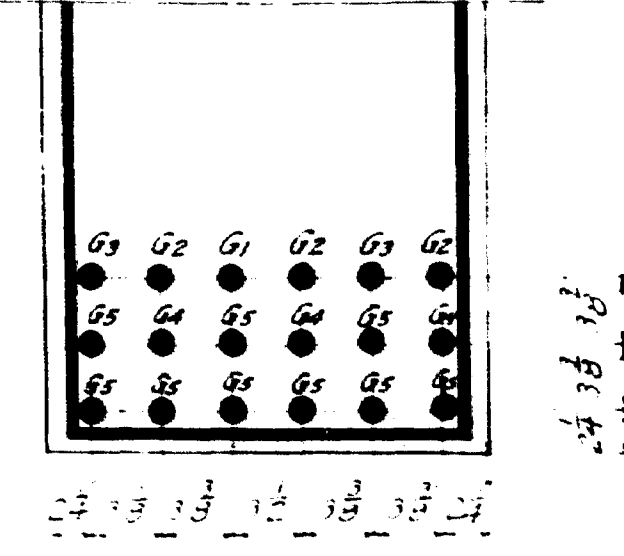


1-6
LOCATION OF STEEL
GIRDERS 2-3-4-5

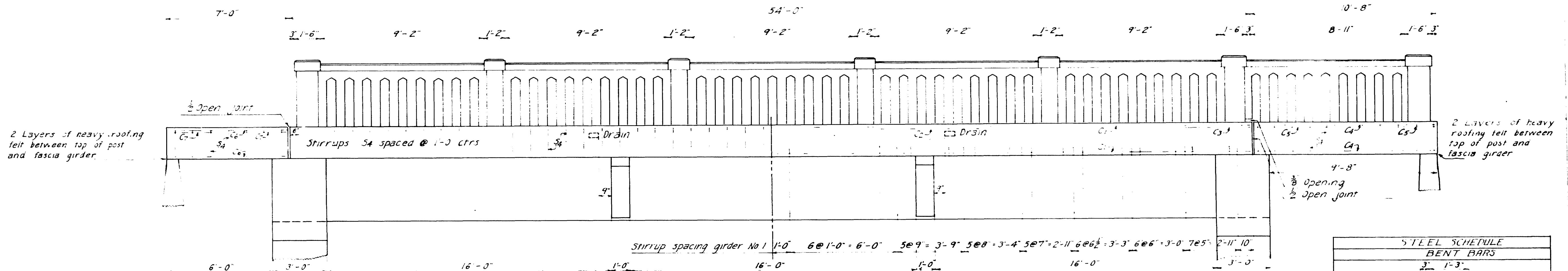


HALF DOWNSTREAM ELEVATION

HALF LONGITUDINAL SECTION

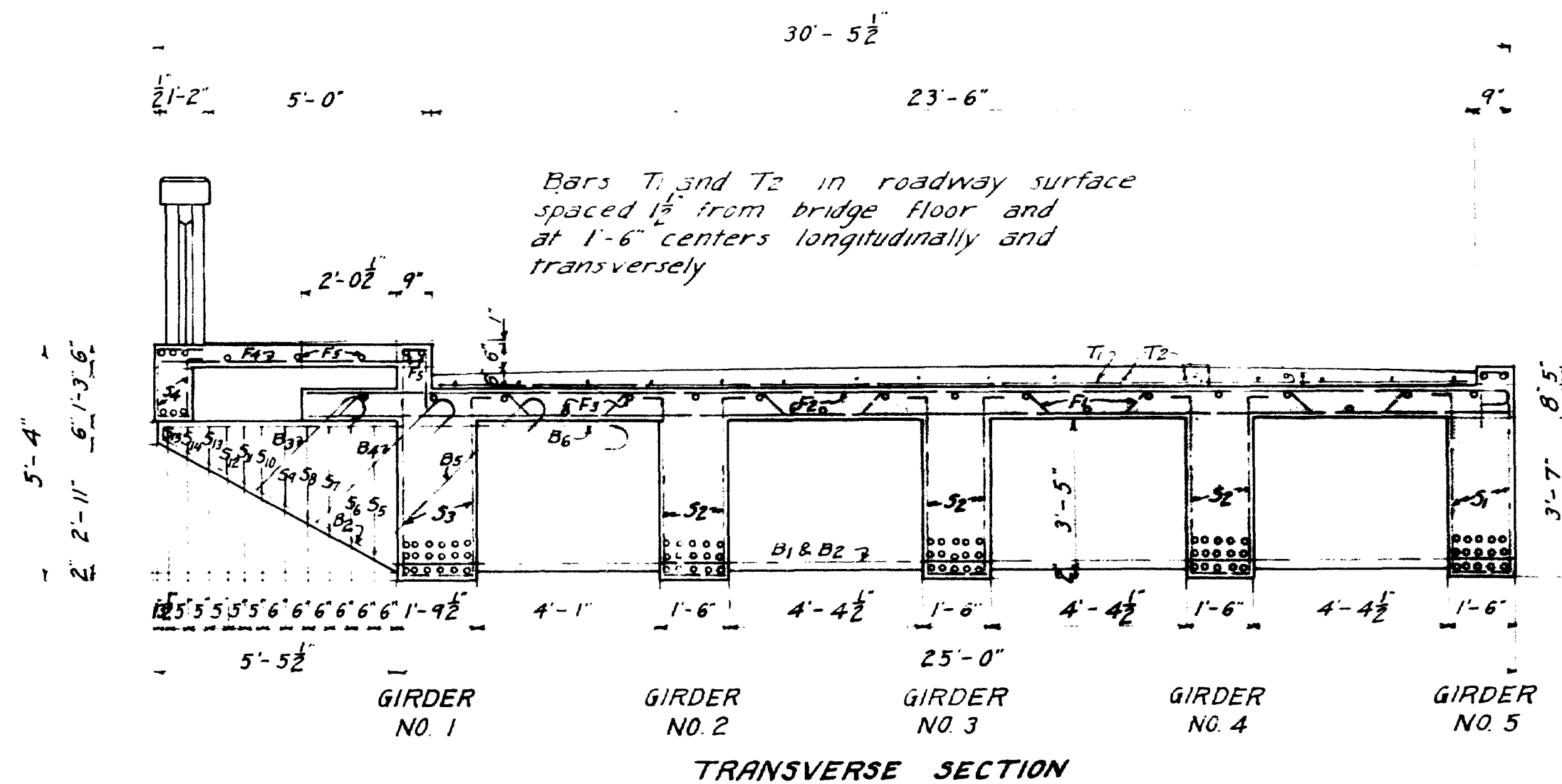


1-6
LOCATION OF STEEL
GIRDER NO. 1



UPSTREAM ELEVATION

Note: The 2" open joints in sidewalk curb and the 2" openings between end cross beams and bridge seats are to be covered with 2 layers of heavy roofing felt coat concrete and back side of each layer of felt as applied with hot tar or asphalt. The joints in curb to be covered to 3" above roadway surface.



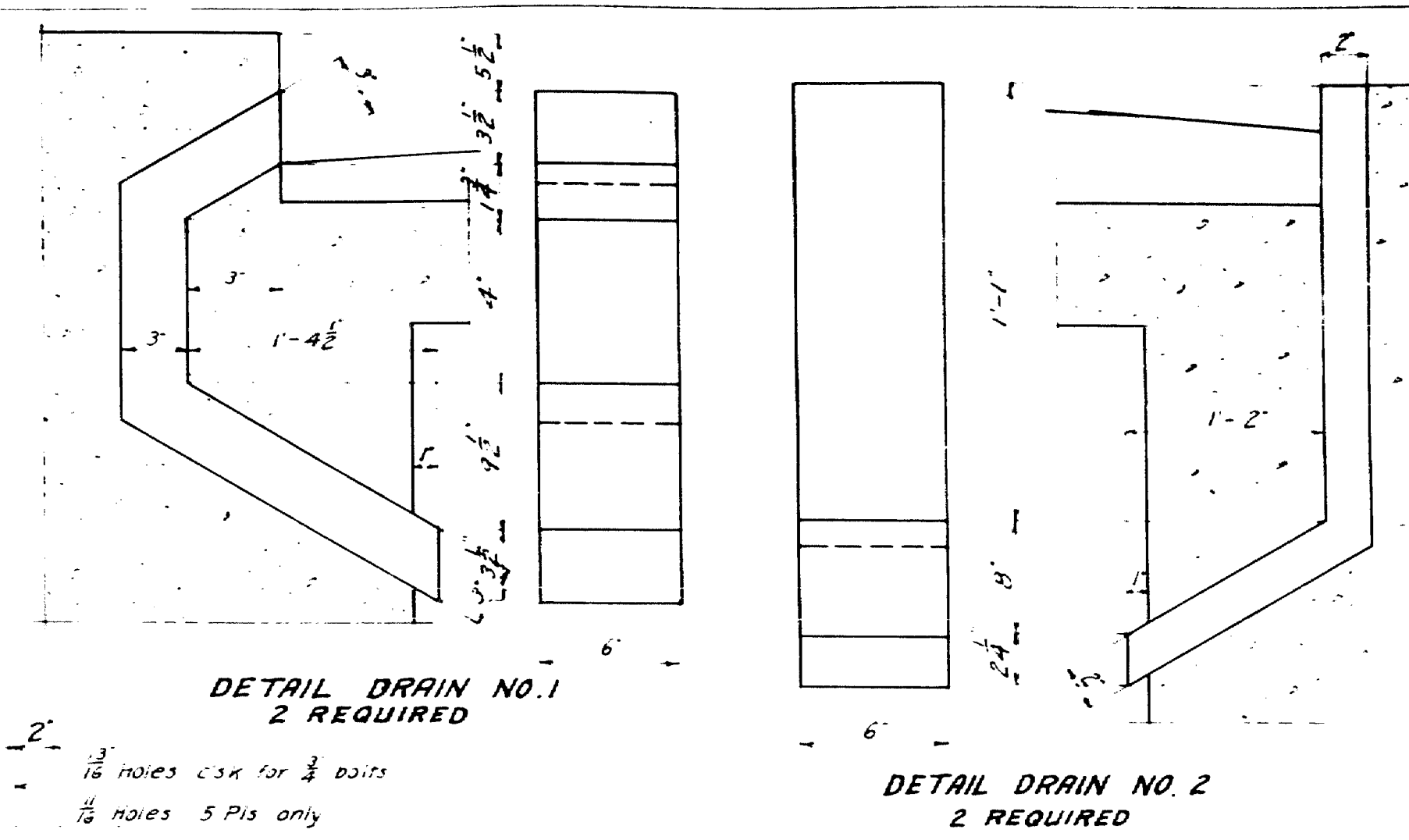
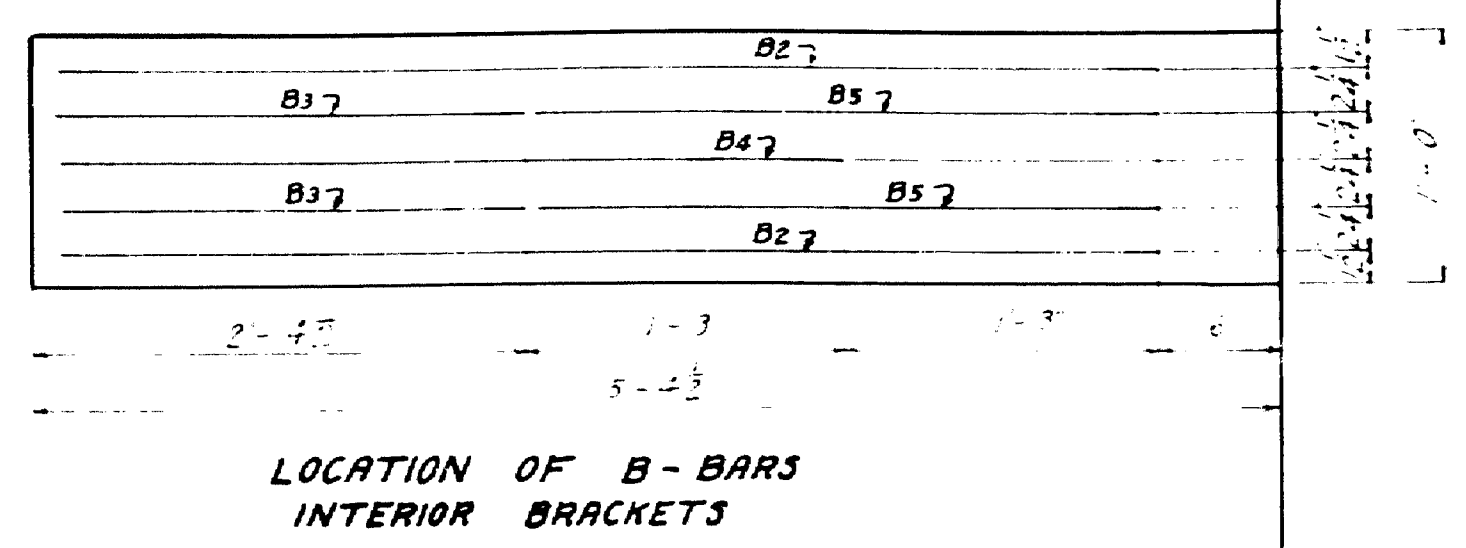
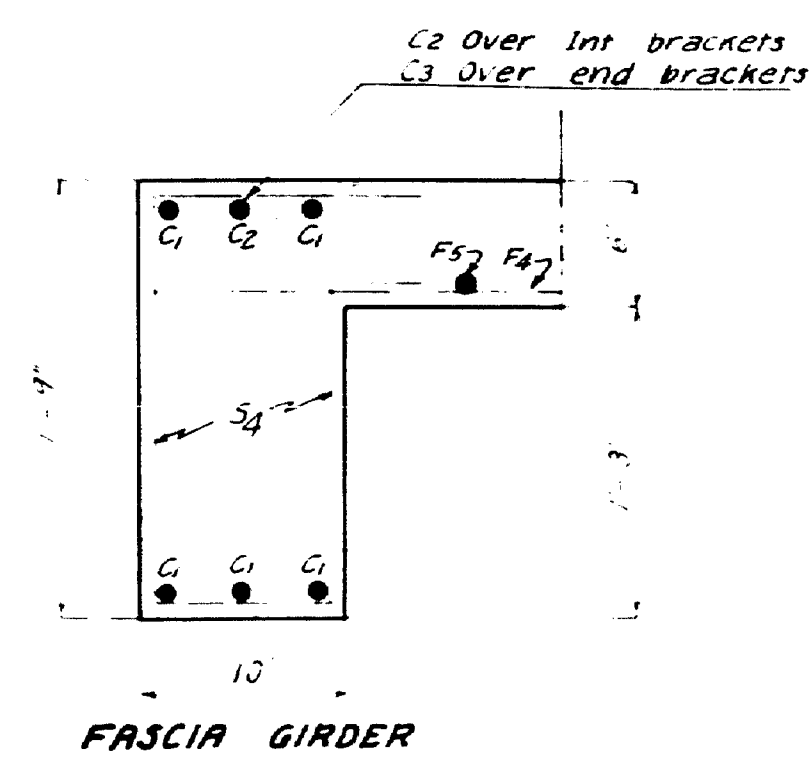
TRANSVERSE SECTION

STEEL SCHEDULE BENT BARS						
Mark	Size	No. Req.	A	B	C	D
G1	1/2"	5	23'-6"	3'-5"	3'-0"	4'-7"
G2	"	11	30'-6"	3'-5"	3'-0"	4'-7"
G3	"	10	37'-2"	3'-5"	3'-0"	4'-7"
G4	"	11	44'-0"	3'-5"	3'-0"	4'-7"
Main Girders						
B3	3/4"	4	2'-0"	1'-0"	2'-8"	2'-11"
B4	"	2	4'-0"	1'-4"	3'-7"	3'-10"
B5	"	4	2'-6"	1'-7"	4'-6"	4'-9"
Brackets						
B6	3/4"	10	13'-6"			
Brackets						
B2	3/4"	4	30'-0"			

STEEL SCHEDULE BENT BARS				
Mark	Size	No. Req.	Total Length	Location
F1	3/8"	52	29'-2 1/2"	Floor Slab
Down Stream Girder				
S1	1/2"	73	11'-8"	
Interior Girders				
S2	1/2"	219	10'-3"	
Sidewalk Girder				
S3	1/2"	83	13'-2 1/2"	

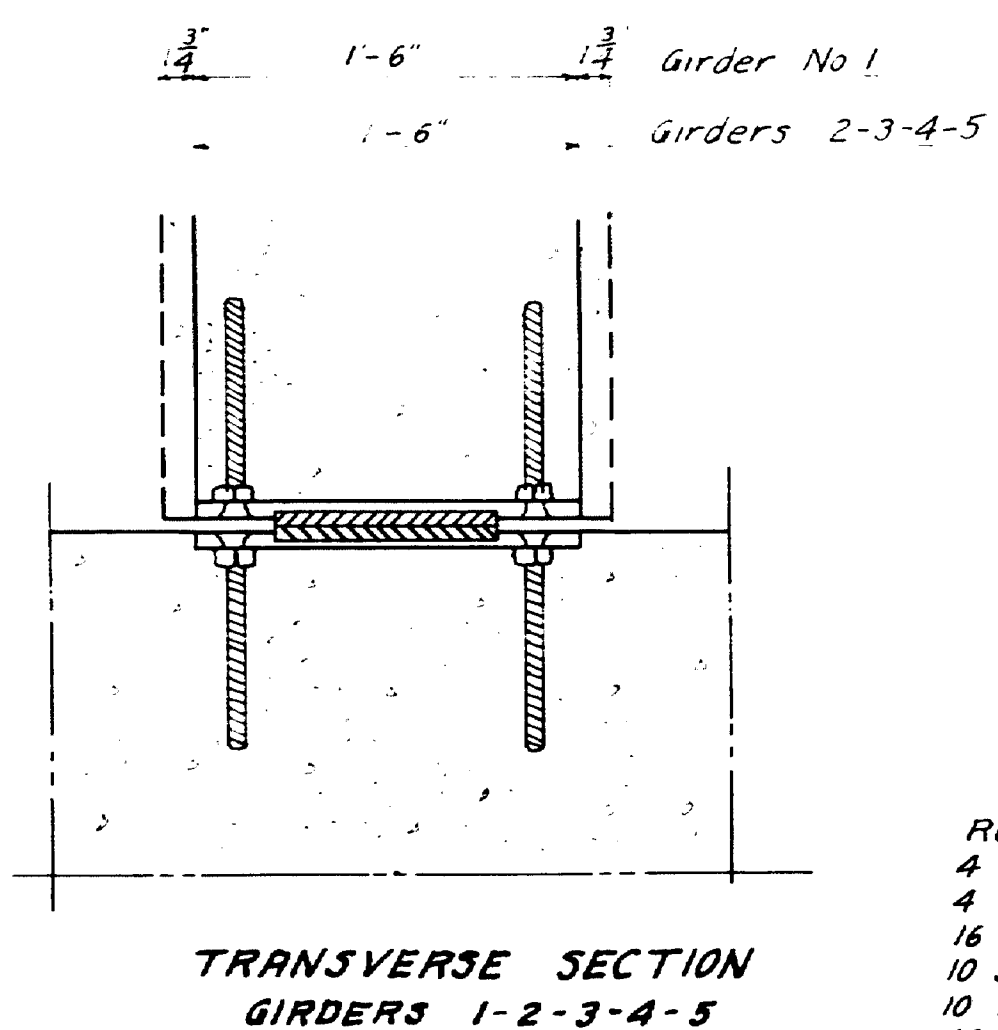
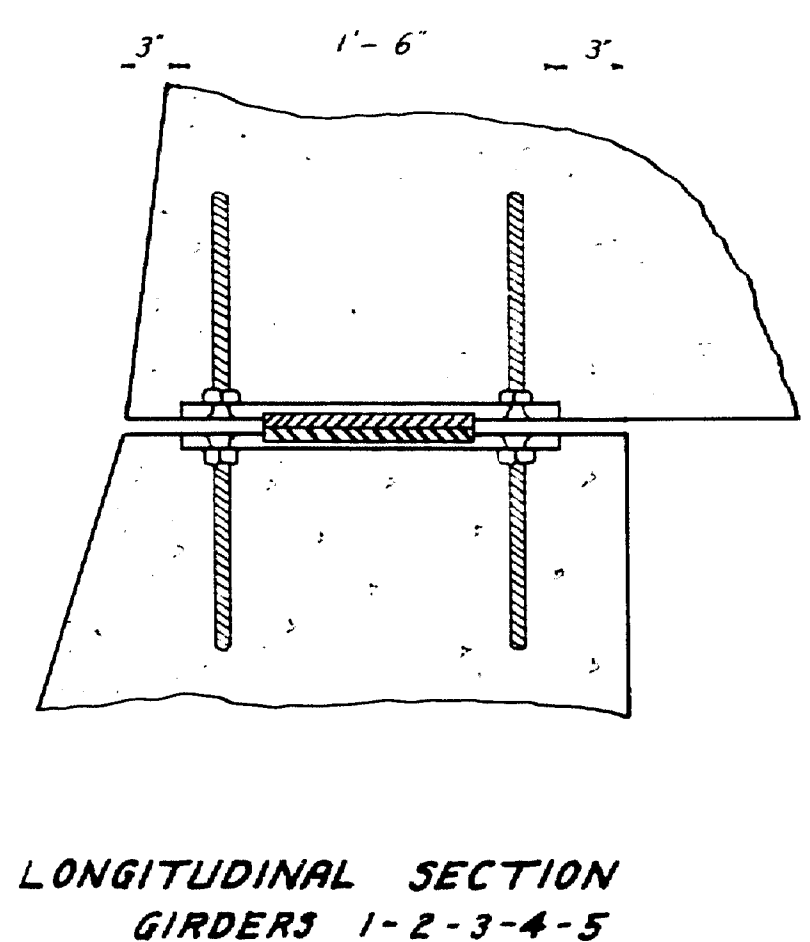
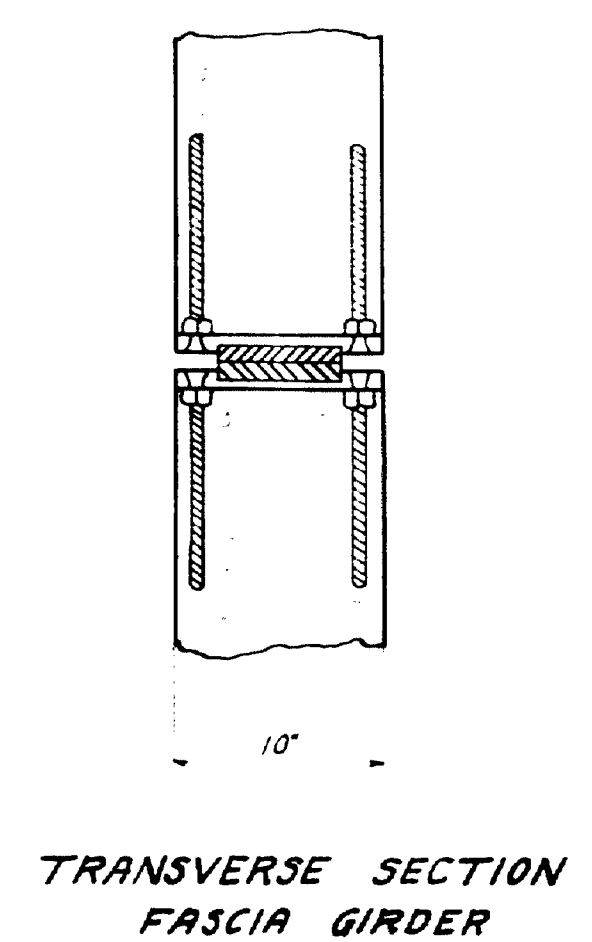
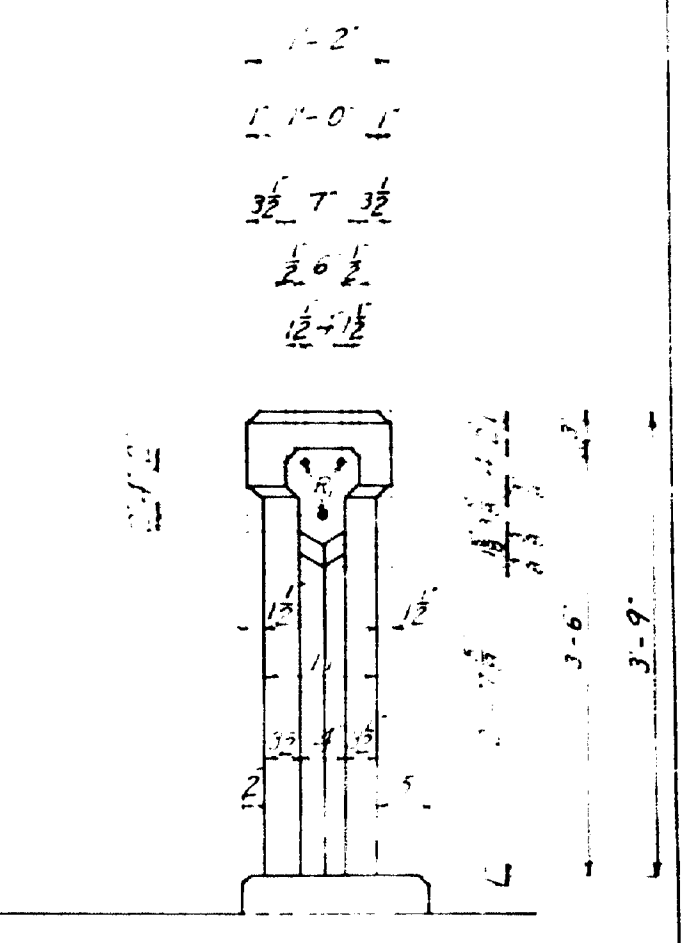
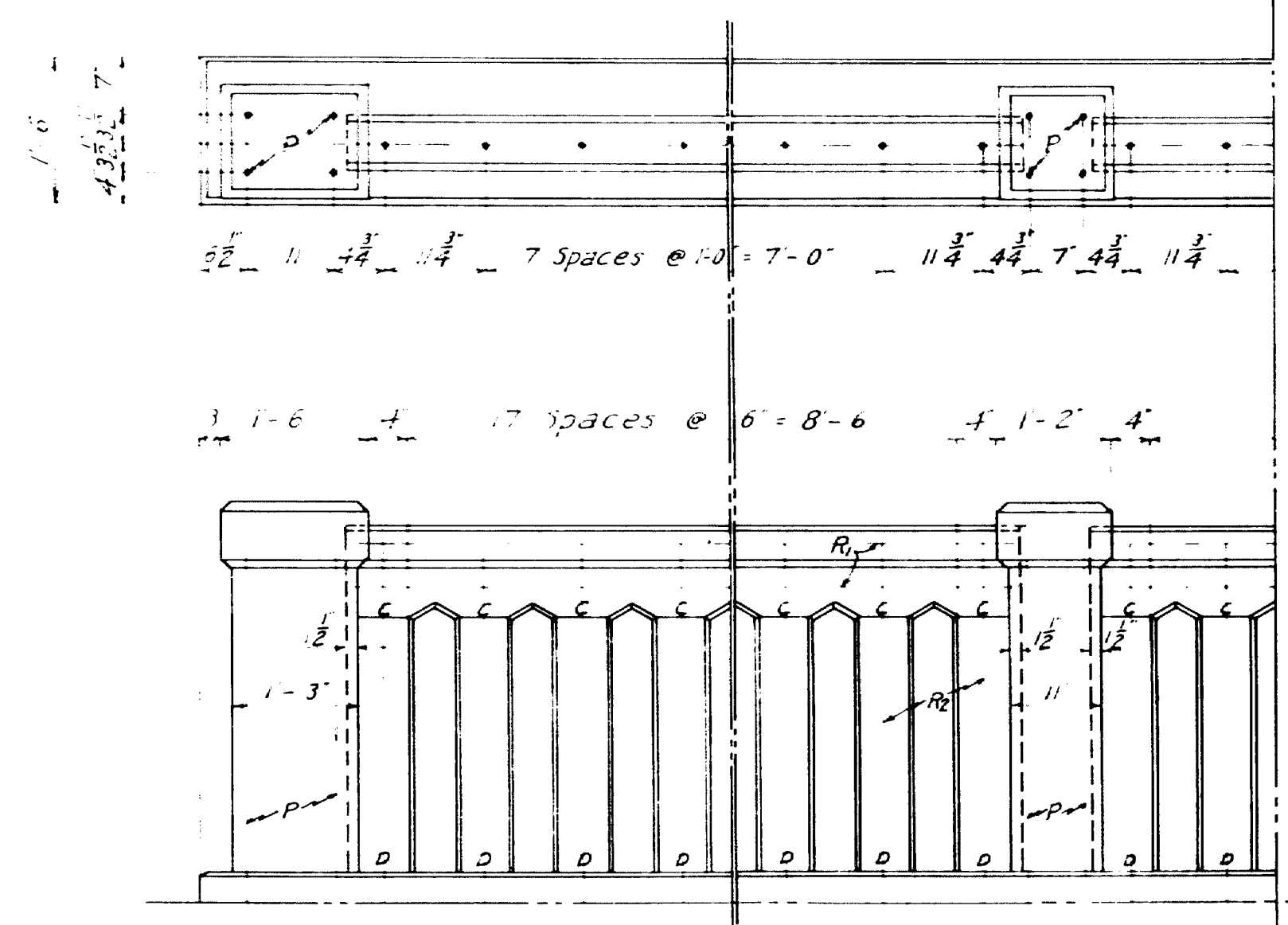
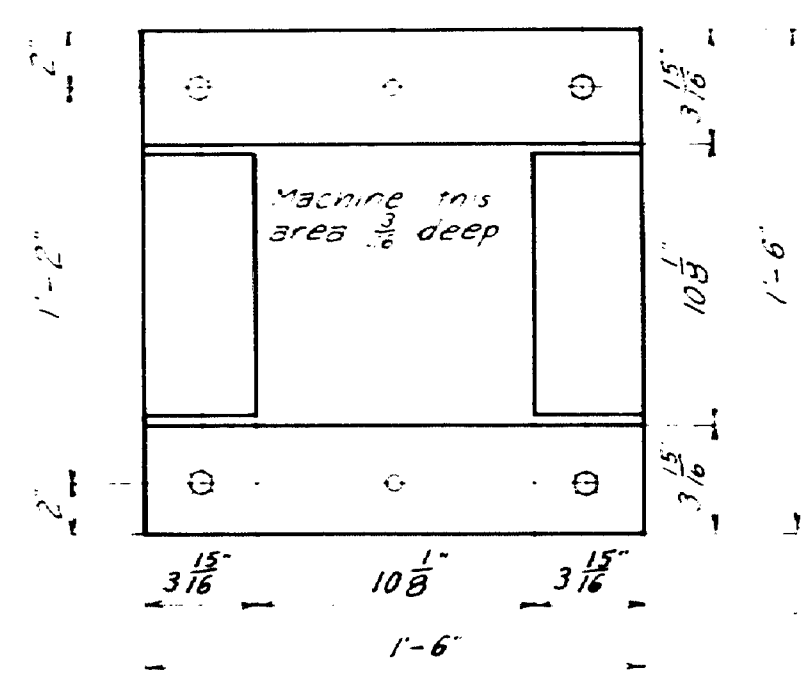
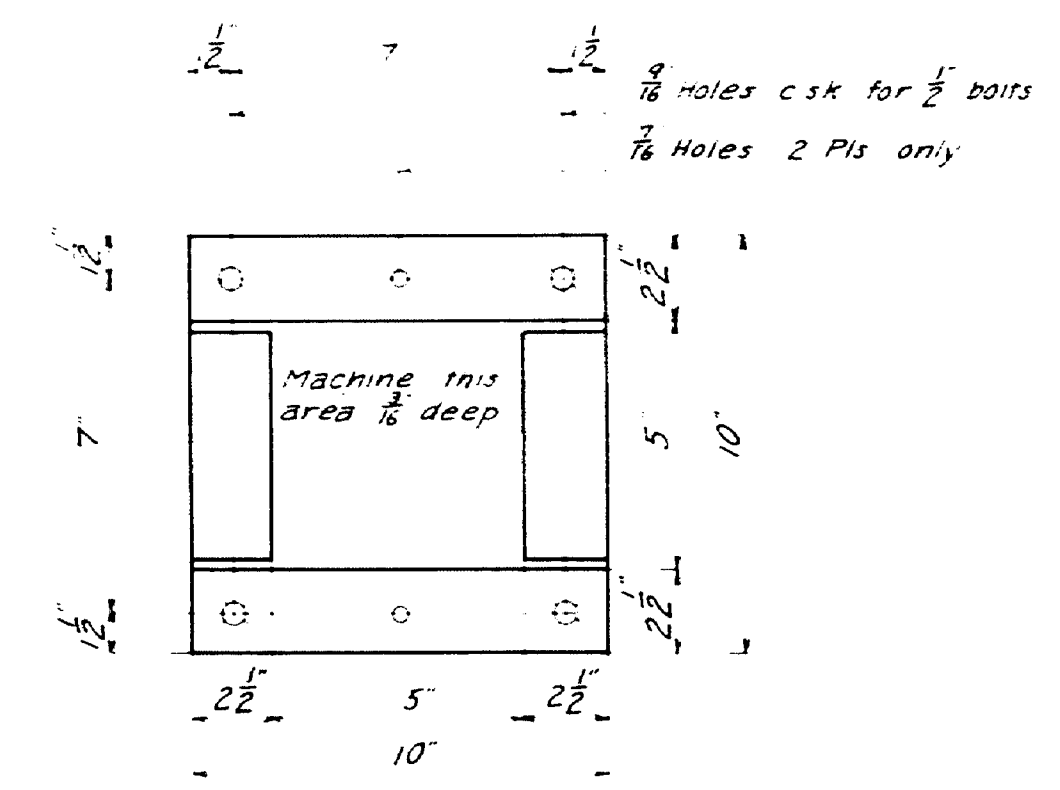
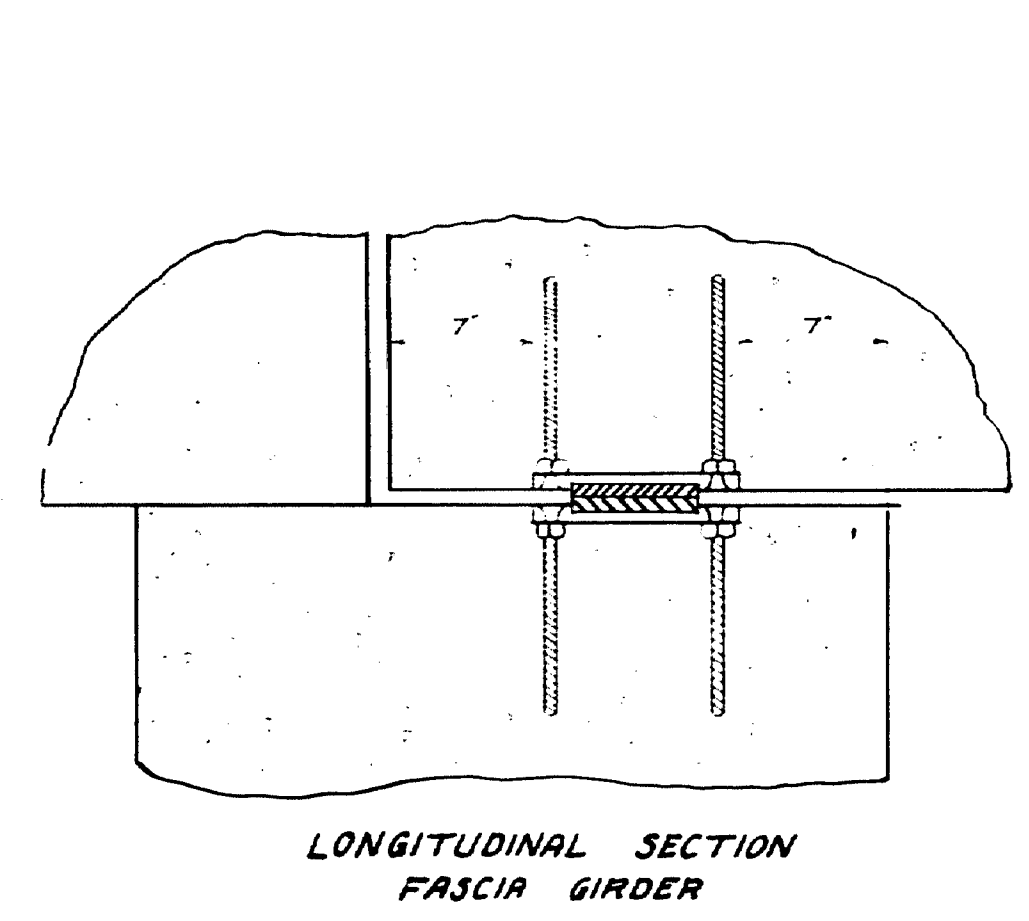
STEEL SCHEDULE BENT BARS				
Mark	Size	No. Req.	Total Length	Location
S4	1/2"	72	4'-11"	Fascia
Brackets				
S5	1/2"	2	2'-10 1/2"	
S6	"	"	2'-7 1/2"	
S7	"	"	2'-4 1/2"	
S8	"	"	2'-1 1/2"	
S9	"	"	1'-9 1/2"	
S10	"	"	1'-6 1/2"	
S11	"	"	1'-3 1/2"	
S12	"	"	1'-1 1/2"	
S13	"	"	0'-10 1/2"	
S14	"	"	0'-7 1/2"	
S15	"	"	0'-4 1/2"	

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
MAIN AVENUE BRIDGE
OVER
COBBOSEE STREAM
IN THE TOWN OF
GARDINER, KENNEBEC COUNTY
PART PLAN OF SUPERSTR.
SHEET 2 of 4 AUGUSTA, ME MAY 18, 1925



STEEL SCHEDULE				
Mark	Size	No. Req.	Length	Location
Gs	1/2"	41	53'-6"	Girders
C1	3/4"	5	53'-8"	Fascia Girder
C2	2"	5	5'-0"	
C3	2"	4	4'-0"	
C4	5"	10	4'-0"	
C5	2"	3	3'-0"	
C6	5"	6	6'-8"	
C7	2"	2	2'-9"	
F2	3/8"	106	26'-9"	Floor Slab
F3	2"	20	52'-0"	
F4	1/2"	143	6'-0"	Sidewalk Slab
F5	5"	5	53'-9"	
B1	3/4"	14	24'-8"	Cross Beams
P	28	4	4'-6"	Posts
R1	3/4"	3	4'-0"	Railing
R2	60	4	4'-3"	
T1	1/2"	16	23'-5"	Roadway Surface
T2	30	52	52'-0"	

All steel dimensions are to center line of bar
All steel to be plain round structural grade



EXPANSION BEARING DETAILS

Required:
4 Steel plates 10" X 3/4" X 10"
4 Phosphor bronze plates 4 1/2" X 3/4" X 4 1/2"
16 Bolts 3/4" X 10" with nuts, csk heads, threaded full length
10 Steel plates 18" X 3/4" X 1'-6"
10 Phosphor bronze plates 10" X 3/4" X 10"
40 Bolts 3/4" X 1'-0" with nuts, csk heads, threaded full length

Note: Grooves in steel plates to be cut 1/2" to 3/8" deeper than bearing area to allow machining of bearing area. Bronze plates to be finished smooth and true either by rolling or by a final finishing cut.

Expansion plates will be furnished by the Highway Commission for nearest railroad station

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
MAIN AVENUE BRIDGE
OVER
COBBOSSEE STREAM
IN THE TOWN OF
GARDINER KENNEBEC COUNTY
DETAILS
SHEET 3 of 4 AUGUSTA, ME MAY 19, 1925

