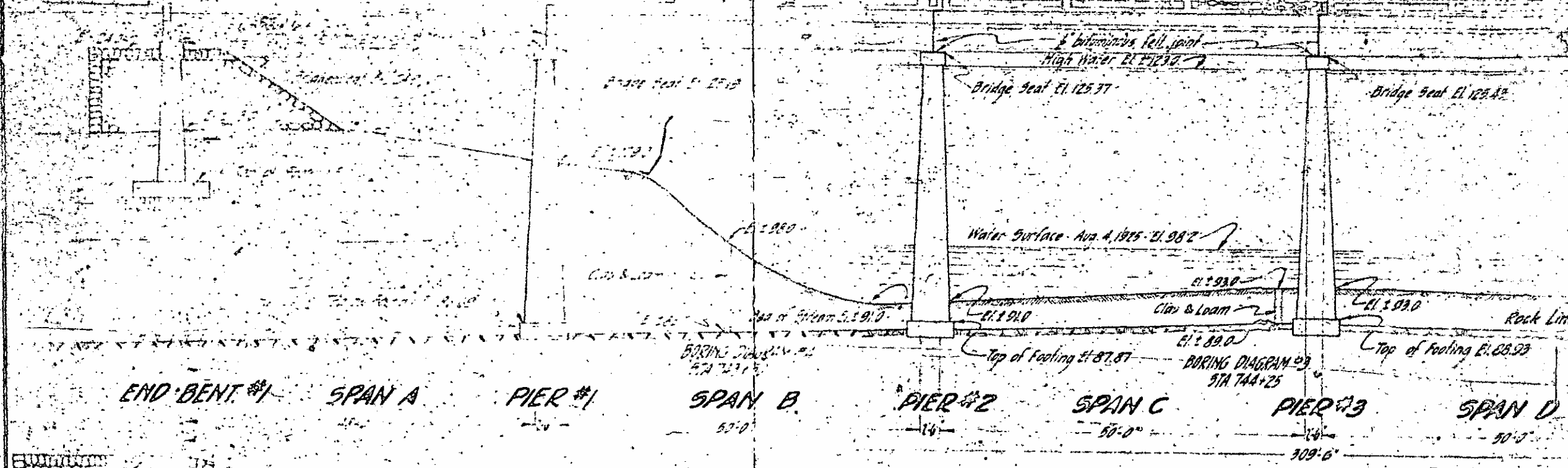
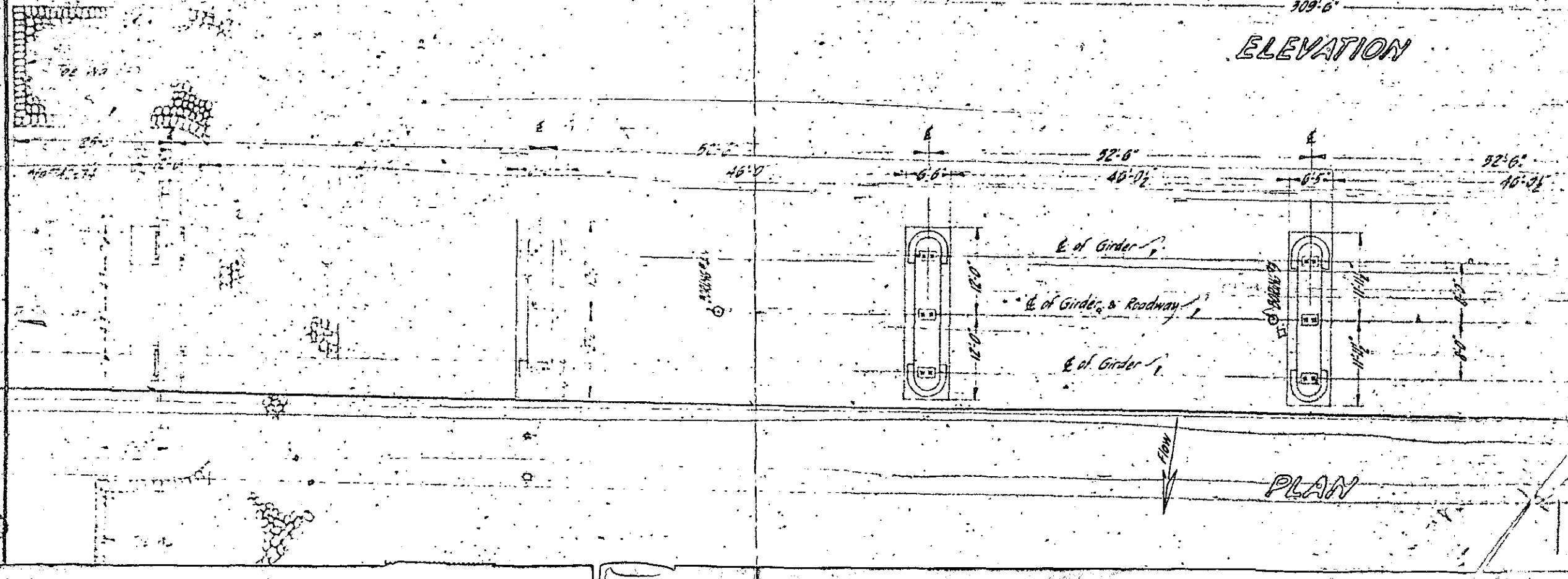


GIRDER NOTE

CAMBER DIAGRAM

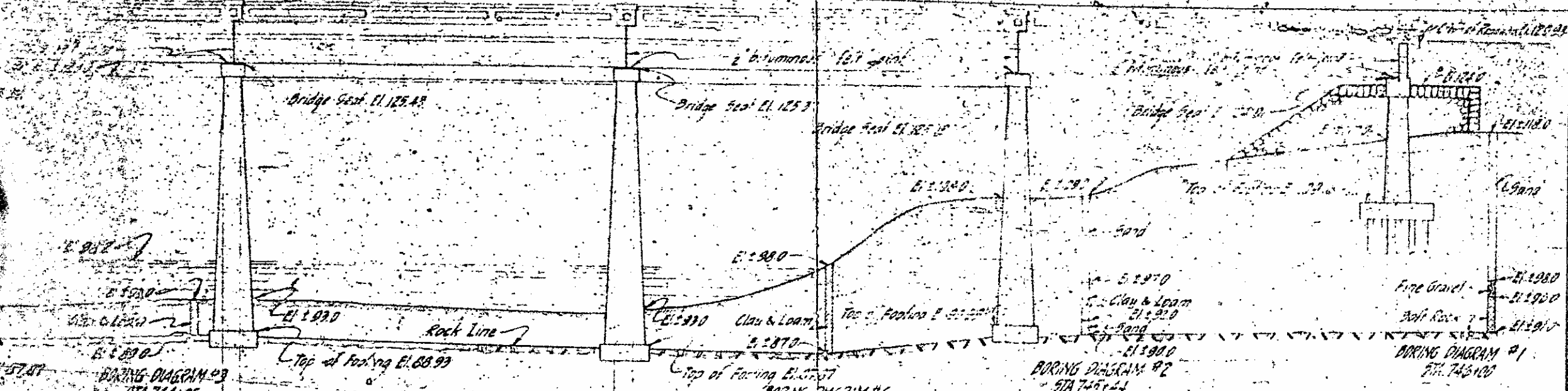


ELEVATION

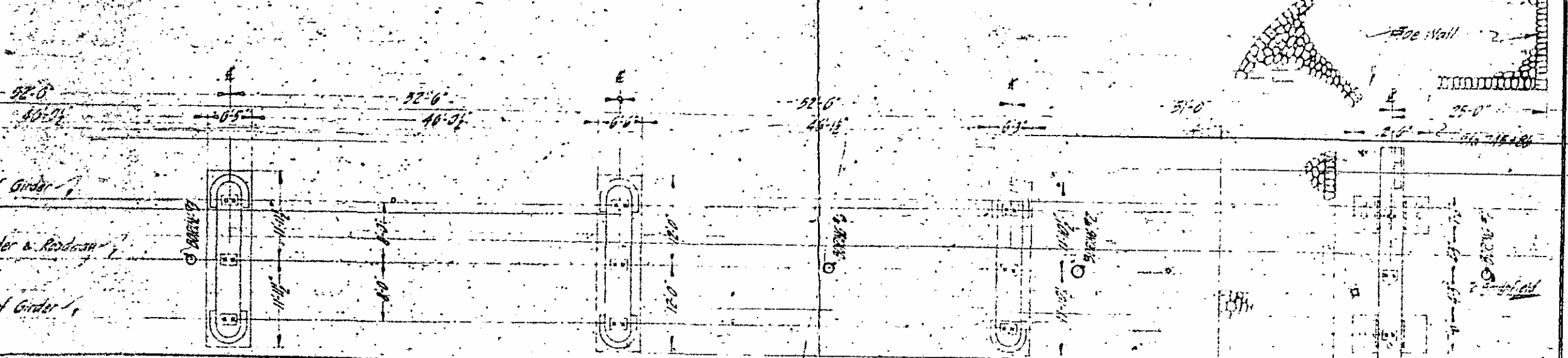


2nd ROAD	10'	N. 6	240	125	125
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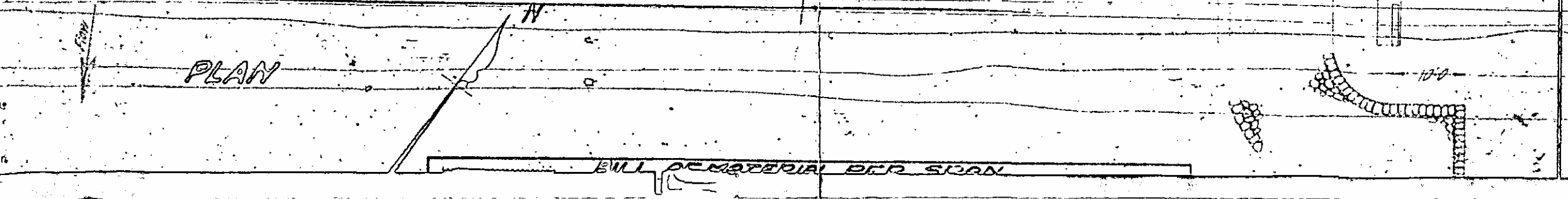
CAMBER DIAGRAM



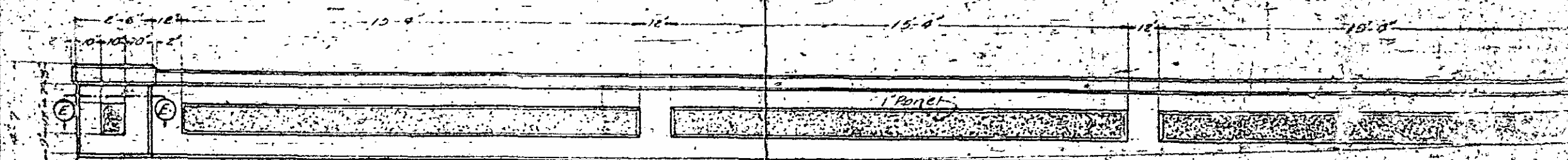
ELEVATION



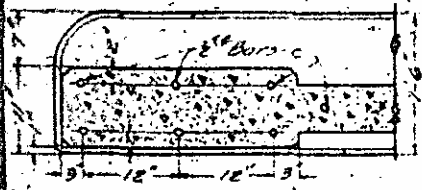
PLAN



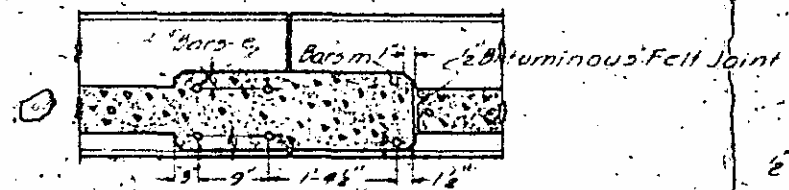
BILL OCMORERIA PER SPAN



Plates
Plates
2 Biluminous Felt Joint

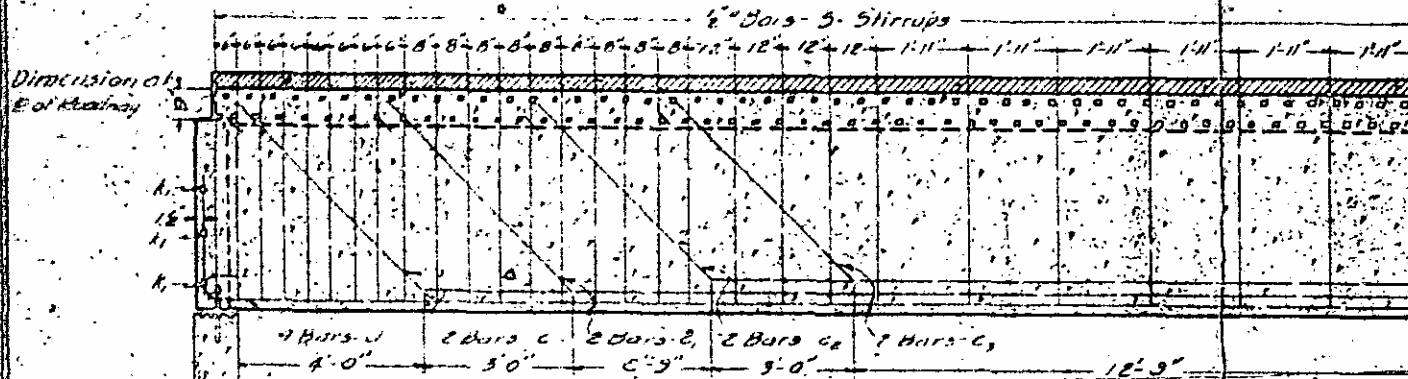
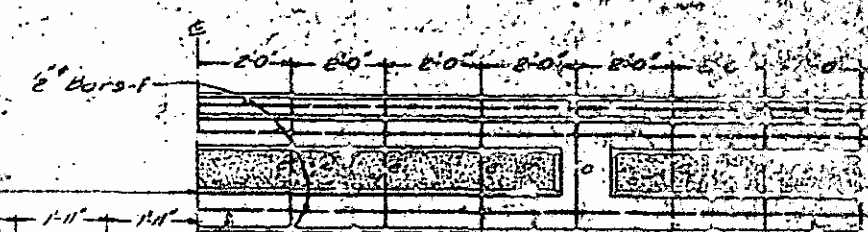


SECTION E-E



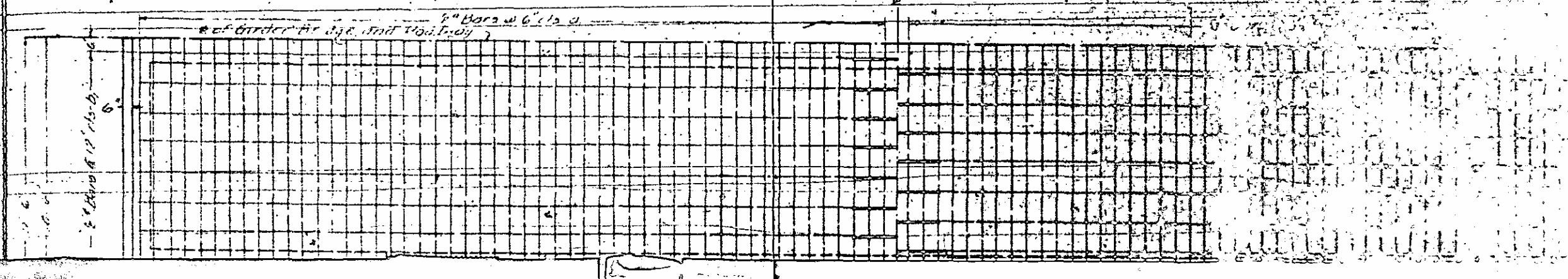
SECTION C-C

50'-0" clear span
ELEVATION

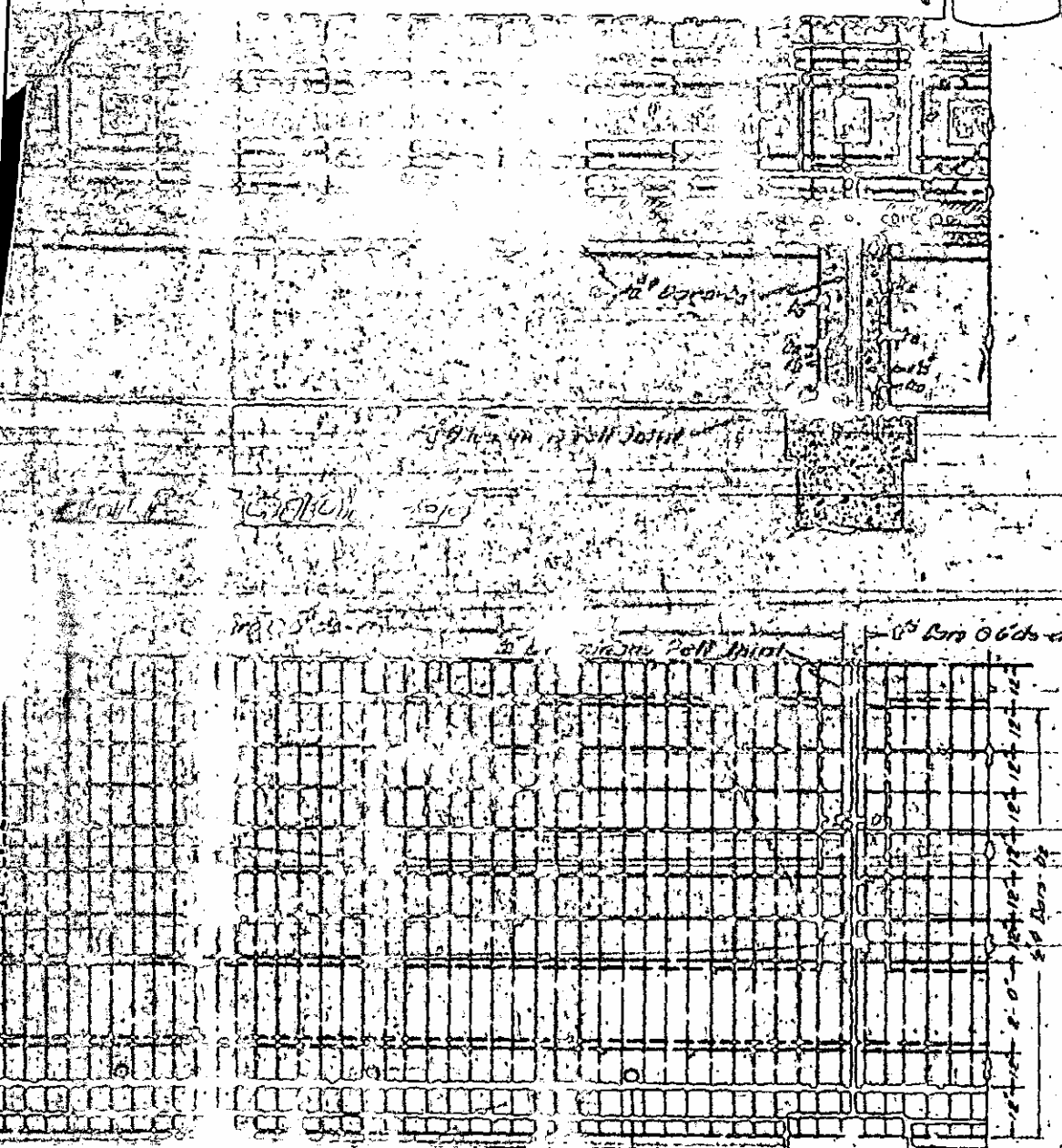


HALF SECTION A-A

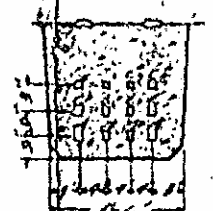
Face of wing, end bent



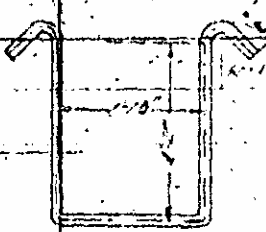
NOTE: (1) (2)



DETAIL OF GIRDER



DETAIL OF BARS - S



DESIGN DATA

Specifications
 Allowable Live Load
 Impact Allowance
 Wearing Surface
 Steel in Tension
 Concrete in Compression
 This design is based on the net area of bars as follows: 4" x 196"

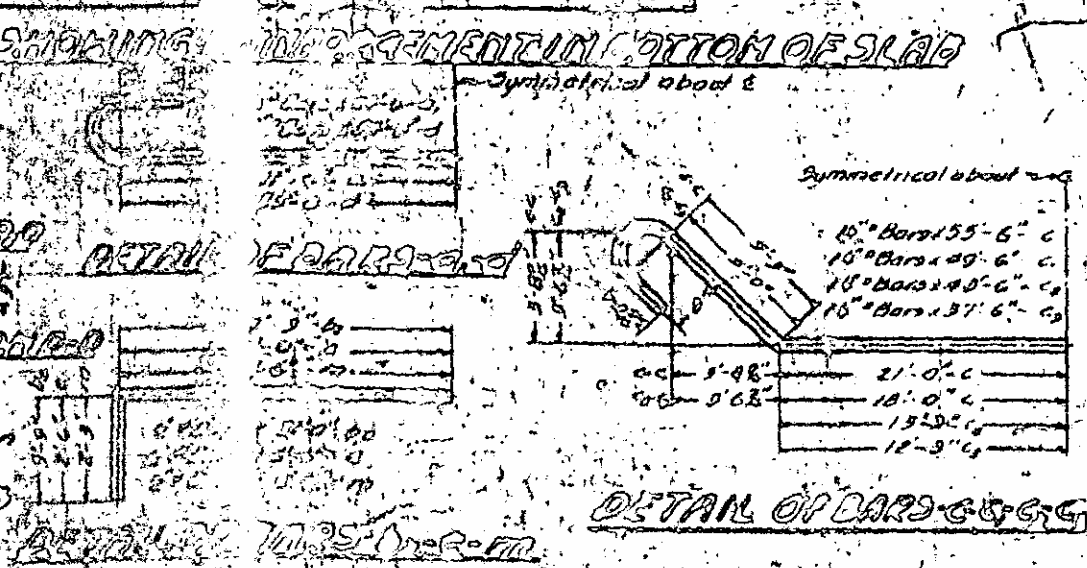
N.C. State Highway Commission
 2 1/2' cut 15' long trucks, Passing
 30% of live load
 Not to exceed 50 lbs per sq. foot
 16000 lbs per sq. in.
 650 lbs per sq. in.

GENERAL NOTE

Class A concrete to be used in slab, girders, and curbs. Proportions 1:2:4
 Class III concrete to be used in forms with a top of curb. Proportions 1:1 1/2:3
 All reinforcing steel shall be deformed bars. Square twisted bars
 are not to be considered as deformed bars.
 All dimensions relative to reinforcement are to centers of bars.
 No spacing of bars other than those shown on plans will be permitted.
 All reinforcing steel to be securely held in correct position.
 The girders, slab, and curbs must be poured at the same
 time during the time for initial set to take place wherever they
 are to be considered as deformed bars.
 All dimensions relative to reinforcement are to centers of bars.
 No spacing of bars other than those shown on plans will be permitted.
 All reinforcing steel to be securely held in correct position.
 The girders, slab, and curbs must be poured at the same
 time during the time for initial set to take place wherever they
 are to be considered as deformed bars.
 Curb to be 1' across at top of span for a single span bridge. For
 multiple span bridges see Curb and Diaphragm.
 Two metal plates to be placed on bridge one on the inside of
 each right hand post approaching bridge. The corresponding
 panel on post to be omitted.
 All corners to be chamfered 1".
 Unless otherwise stated under "Special Provisions" the
 wearing surface is to be laid by the Bridge Contractor.
 The Engineer shall make certain that the top of the floor
 slab is of the correct elevation for the type of surfacing used.
 All materials and workmanship as per the standards
 specifications of the N.C. State Highway Commission.

Note: For Bill of Material per span see plan Drawing Sheet No. 120

PROJECT NO. 220
 JOHNSTON COUNTY
 6 SPANS AT STA. 74+20



BILL OF MATERIAL SPANS

Bars	No	Size	Length	Weight
G	690	2"	89'-0"	12852
H	690	2"	87'-6"	12088
I	360	2"	87'-3"	4806
J	240	2"	81'-0"	2868
K	36	14"	85'-6"	10614
L	26	14"	89'-6"	9468
M	26	14"	83'-6"	8372
N	26	14"	87'-6"	2172
O	26	14"	88'-0"	20650
P	36	2"	6'-6"	1681
Q	20	2"	20'-6"	281
R	100	2"	26'-0"	1785
S	5	2"	58'-0"	114
T	20	2"	17'-0"	231
U	20	2"	9'-0"	15
V	200	2"	10'-9"	2048

Reinforcing steel lbs 67314
 Class III concrete cu ft 263
 Class A concrete cu ft 173
 15' x 15' x 15' lbs 173
 Curbs 10' x 15' x 15' 173

BILL OF MATERIAL ONE SPAN

Bars	No	Size	Length	Weight
G	105	2"	28'-0"	217
H	105	2"	28'-0"	200
I	49	2"	27'-3"	601
J	40	2"	31'-0"	278
K	6	14"	55'-6"	1764
L	6	14"	49'-6"	1272
M	6	14"	43'-6"	1287
N	6	14"	47'-6"	1182
O	18	10"	18'-0"	2418
P	74	2"	6'-6"	321
Q	20	2"	20'-6"	381
R	100	2"	26'-0"	1785
S	6	2"	28'-6"	115
T	20	2"	17'-0"	231
U	20	2"	9'-0"	15
V	200	2"	10'-9"	2048

Reinforcing steel lbs 176
 Class III concrete cu ft 63
 Class A concrete cu ft 44
 15' x 15' x 15' lbs 173
 Curbs 10' x 15' x 15' 173

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 STANDARD
 REINFORCED CONCRETE
 DECK GIRDER
 30'-0" SPAN 20'-0" GIRDERS
 JULY, 1928
 SCALE 1/4" = 1'-0"

DESIGNED BY
 CHECKED BY
 APPROVED BY