MICROFILMED
MAR 11 1981

F 1108(6)

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-1108(6)	

1 / 315

CLARK COUNTY
CLA-68-7.86

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

CLA-68-7.86

GERMAN, MOOREFIELD & SPRINGFIELD TWPS.
CITY OF SPRINGFIELD
CLARK COUNTY
GRADE SEPARATION WITH THE ERIE-LAKAWANNA R.R.
GRADE SEPARATION WITH THE D.T. & I. R.R.

CONVENTIONAL SIGNS

COUNTY LINE
TOWNSHIP LINE
SECTION LINE
CORPORATION LINE
PROPERTY LINE
FENCE LINE
CENTER LINE
POLE LINE — Power, Telephone
RAILROAD
HEDGE
DRAIN PIPE (NEW)
DRAIN PIPE (OLD)
GUARD RAIL (NEW)
GUARD RAIL (OLD)
TREES & STUMPS
R/W LINE (PROPOSED)
R/W LINE (LIMITED ACCESS)
R/W LINE (EXISTING) — EX

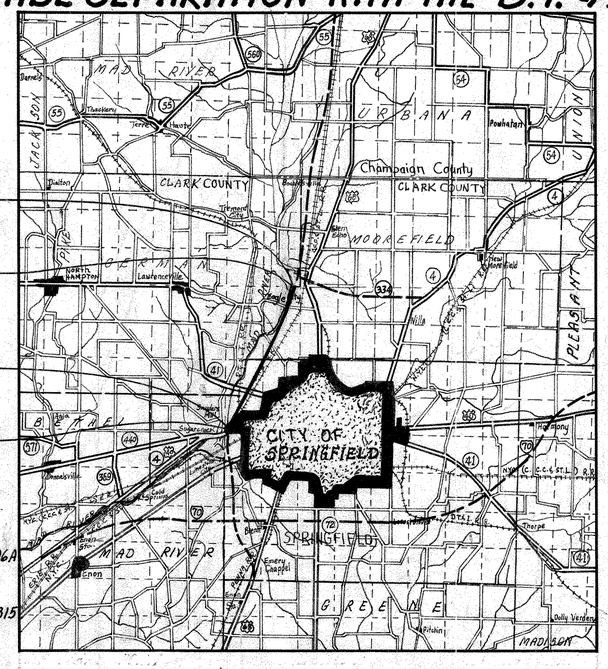
LINE DATA

BEGIN WORK U.S.R. 68 STA. 411+90.00
STA. EQUATION U.S.R. 68 STA. 653+93.43 (Back) = STA. 677+65.60 (Ahead)
BEGIN PROJECT U.S.R. 68 STA. 415+05.09
END PROJECT U.S.R. 68 STA. 677+66.30
END WORK U.S.R. 68 STA. 679+00.00

ADD FOR APPROACH ROADS:
ST. PARIS PIKE (Co. Rd. #308) STA. 10+00 TO STA. 32+55 = 2255 L.F. or 0.427 MILES
EAGLE CITY ROAD (Twp. Rd. #166) STA. 7+50 TO STA. 41+00 = 3334.07 L.F. or 0.631 Incl. Equations
S.R. 41 STA. 646+30 TO STA. 698+00 = 5150.00 L.F. or 0.975 MILES
NET LENGTH OF PROJECT F-1108(6) 23,889.04 LIN. FT. or 4.524 MILES
NET LENGTH OF WORK F-1108(6) 3,076.90 LIN. FT. or 0.582 MILES

F-1108(6) END PROJECT STA. 677+66.30

F-1108(6) BEGIN PROJECT STA. 415+05.09



LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR OF HIGHWAYS IN ACCORDANCE WITH THE PROVISIONS OF SEC. 5511.02 OF THE REVISED CODE OF OHIO.

1969 Specifications

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

THE RIGHT OF WAY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE STATE OF OHIO.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED DATE 12-6-67 — Olive M. Loots — DIVISION DEPUTY DIRECTOR

APPROVED DATE 7-10-69 — C. H. Albrecht — ENGINEER OF BRIDGES

APPROVED DATE 7-10-69 — R. E. Catlin — ENGINEER OF LOCATION & DESIGN

APPROVED DATE 7-10-69 — George J. Thormyer — DEPUTY DIRECTOR OF DESIGN & CONSTRUCTION

APPROVED DATE ____ — DEPUTY DIRECTOR OF RIGHT OF WAY

APPROVED DATE 7-29-69 — Thomas M. Major — DEPUTY DIRECTOR OF PLANNING & PROGRAMMING

APPROVED DATE 7-29-69 — FIRST ASSISTANT DIRECTOR

APPROVED DATE 7-29-69 — P. F. Moseley — DIRECTOR OF HIGHWAYS

INDEX OF SHEETS

TITLE SHEET	1
SCHEMATIC PLAN & DESIGN DESIGNATION	2
TYPICAL SECTIONS	3-7
GENERAL NOTES	8-9
SPECIAL DETAILS	10-15
SUPERELEVATION TABLES	17-A-16-18
TABLES & CALCULATIONS	19-20
GENERAL SUMMARY	21-23, 23A
PLAN & PROFILE SHEETS	24-49
CROSS SECTIONS	50-103, 52-A
SIGNING PLANS	185-203, 195A
LIGHTING PLANS	204-208, 206A
RIGHT-OF-WAY PLANS	209-229, 225A, 226A, 227A
STRUCTURES OVER 20' SPAN	175-177, 230-315
APPROACH ROADS:	
RAMP "F" U.S.R. 68 & S.R. 4 INTERCHANGE	104-118
RAMP "H" U.S.R. 68 & S.R. 4 INTERCHANGE	119-127
PROP. FUTURE U.S.R. 68 & S.R. 41 INTERCHANGE	128-132
U.S.R. 68 & EXIST. S.R. 41 GRADE INTERSECTION	133-138
ST. PARIS PIKE	139-150, 139A
FIELD DRIVE (PLAN & PROFILE)	139A
SCHOOL DRIVE FROM ST. PARIS PIKE	151-155
EAGLE CITY ROAD	156-168, 158A, 168A-D
STRUCTURES (UNDER 20' SPAN)	169-174
CHANNEL SECTIONS	178-184, 184A, B, C

Sheet 258 revised 10-3-69
Sheet 276 revised 5-3-71 WJ

LOCATION PLAN

PORTION TO BE IMPROVED
STATE HIGHWAY
OTHER ROADS
OTHER PROPOSED PROJECTS

SCALES

PLAN — 0, 50, 100
PROFILE HORIZONTAL — 0, 50, 100
PROFILE VERTICAL — 0, 5, 10
CROSS SECTION — 0, 10, 20

STANDARD DRAWINGS

Nº	Date	Nº	Date
BP-7	1-1-66		
CB-2-2-A & B	6-1-65	SD-1-65	11-8-65
CB-4	6-6-68	SP-53	6-30-61
CB-6	6-1-65	F-5	3-10-69
CB-8	6-6-68	F-6	10-1-66
F-2	3-10-69		
F-3	3-10-69		
CB-5	6-6-68	AS-1-67	1-11-68
GR-2B	2-15-68	SD-1-65 (Sh. 1, 2 & 3)	11-8-65
GR-5B	6-1-65	RB-1-55	2-2-59
GR-6	7-15-68	BR-1-65 (Sh. 1)	11-24-65
HW-E	6-1-65	BR-1-67 (Sh. 1)	2-1-68
L-1	6-1-65	CS-1-65 (Sh. 1 & 2)	6-1-65
MC-1	6-13-69	A-1-54	11-8-65
MC-3	6-20-69	P-1-54	11-8-65
MC-4	6-1-65	HL-1	11-1-65
MH-1	10-1-68	HL-2	11-1-65
MC-7	10-1-68	HL-3	11-1-65
		HL-4	1-1-66

SUPPLEMENTAL SPECIFICATIONS

Nº	Date	Nº	Date
806	1-1-69	808	1-1-69
801	1-1-69	811	1-1-69
1001	1-1-69	825	1-1-69
815	1-1-69	810	1-1-69
816	1-1-69	927	1-1-69

STANDARD DRAWINGS

Nº	Date	Nº	Date
FACI-1	9-15-67	BP-3	12-1-68
FACI-2	6-1-65	BP-4	12-1-68
BP-1	6-1-65	BP-5	6-1-65
BP-2	12-1-68	BP-6	6-1-65

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
BUREAU OF PUBLIC ROADS

APPROVED:

DIVISION ENGINEER DATE

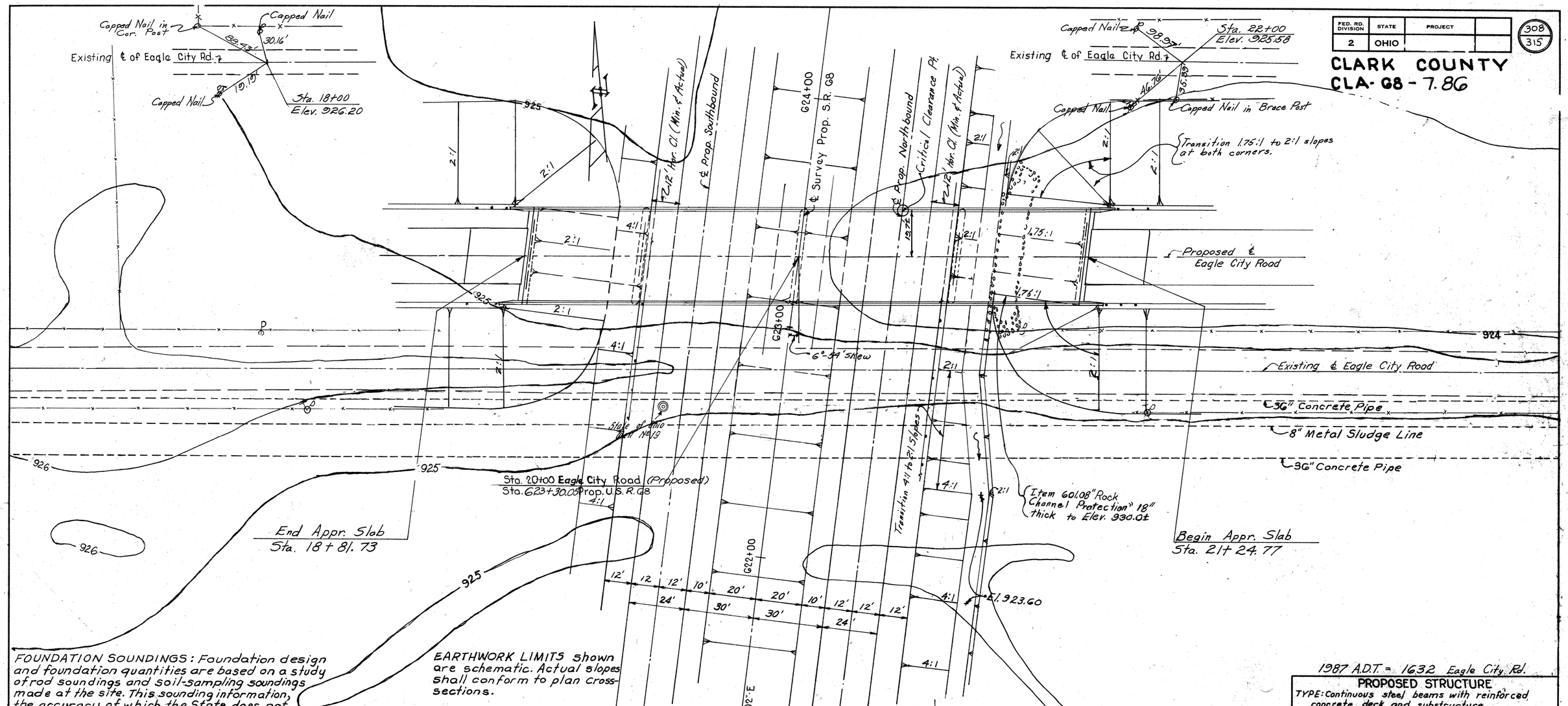
FILE NUMBER	CLARK COUNTY - CLA - 68 - 7.86
	DATE OF LETTING
	CONTRACT Nº

TITLE SHEET

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

308
315

CLARK COUNTY
CLA-68-7.86



PROFILE ON ℄ OF SURVEY

1987 A.D.T. = 1632 Eagle City Rd.

PROPOSED STRUCTURE

TYPE: Continuous steel beams with reinforced concrete deck and substructure
SPANS: 48'-68'-68'-54.5' c/c brgs.
ROADWAY: 40'-0" t/f concrete parapets
LOADING: HS 20-44
SKEW: 6°-54' L.F.
WEARING SURFACE: 1" monolithic concrete
APPROACH SLABS: AS-1-67 (25' long)
ALIGNMENT: Tangent

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

1/8

SITE PLAN

BRIDGE NO. CLA-68-1180
UNDER EAGLE CITY ROAD
CLARK CO. U.S.R. 68
SEC. STA. 623+30.05
SCALE 1" = 20'

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
RH	JH	B.D.H.	B.D.H.	N.J.B.	C.P. & S.

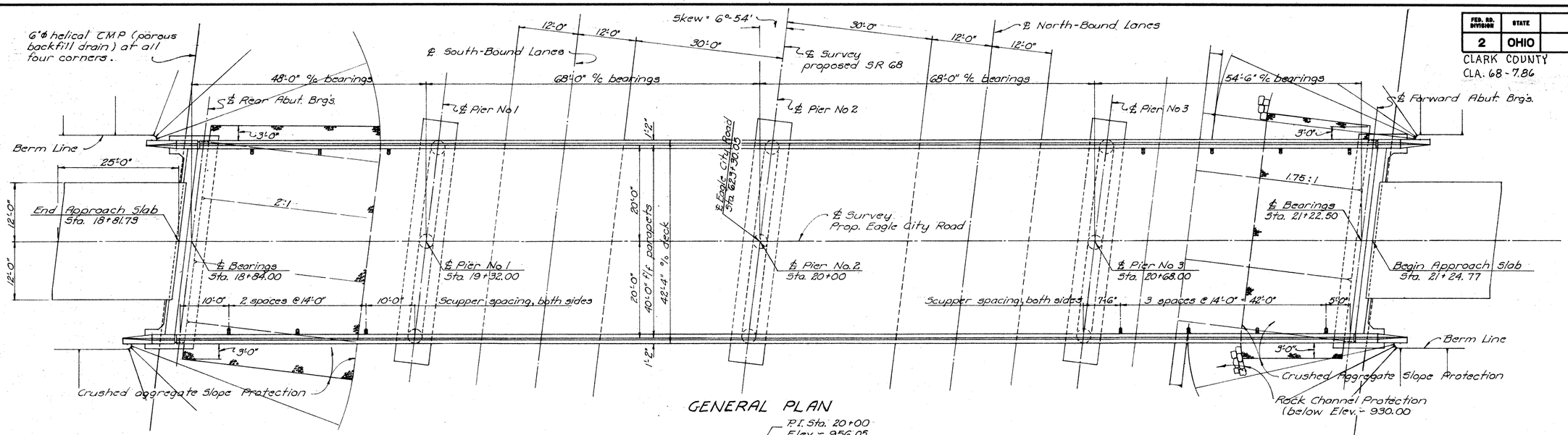
BFG 4-23-69

CLA-68-1180

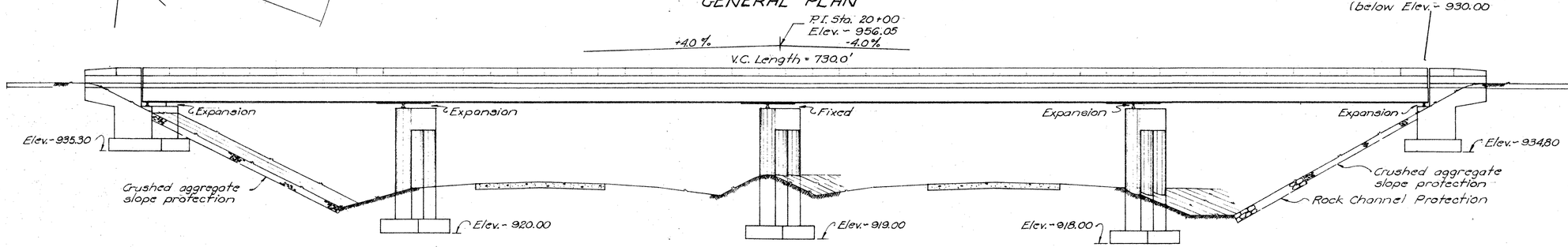
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

CLARK COUNTY
CLA. 68 - 7.86

309
315



GENERAL PLAN



ELEVATION

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Super.	Piers	Abuts.	Gen'l.	As Built	
503	542	Cu. yd.	Unclassified excavation		275	267			
503	Lump	sum	Cofferdams, cribs and sheeting				Lump		
509	135,062	Lb.	Reinforcing steel	85388	40839	8835			
511	304	Cu. yd.	Class C concrete, superstructure	304					
511	100	Cu. yd.	Class C concrete, pier caps and columns		100				
511	113	Cu. yd.	Class C concrete, abutments above footings			113			
511	142	Cu. yd.	Class C concrete, footings		94	48			
513	242,000	Lbs.	Structural steel	242,000					
514	242,000	Lbs.	Field painting of structural steel	242,000					
518	14	Each	Scuppers, including supports (galvanized)	14					
518	45	Cu. yd.	Porous backfill			45			
518	70	Lin. ft.	6" perforated, helical corrugated metal pipe including specials, 707.01			70			
518	116	Lin. ft.	6" non-perforated helical corrugated metal pipe, 707.01				116		
601	365	Sq. yd.	Crushed aggregate slope protection				365		
808	304	Units	Water-reducing, set-retarding admixture	304					
825	1255	Sq. yd.	Concrete surface treatment	1220		35			

REFERENCE shall be made to Standard Drawings SD-1-65, sheets 1, 2 and 3 dated 11-8-65; RB-1-55 revised 2-2-59; BR-1-67, sheet 1 dated 2-1-68 and to Supplemental Specifications 808, 811 and 825 all dated 1-1-69.

DESIGN SPECIFICATIONS: This structure conforms to "Standard Specifications for Highway Bridges" adopted by the American Association of State Highway Officials, 1965, including the Ohio "Supplement" to these specifications.

DESIGN DATA:

Design Loading	HS 20-44
Concrete Class C	1200 p.s.i., superstructure 1333 p.s.i., substructure
Structural Steel	20,000 p.s.i. for ASTM A36
Reinforcing Steel	ASTM A615, A616, A617. Unit stress 20,000 p.s.i. Spiral reinforcing shall be plain bars, A306 or A499

UTILITY LINES: All of the expense involved in relocating the affected utility lines located within the bridge area shall be borne by the owners. The Contractor and the Owners are requested to cooperate by arranging their work in such manner that inconvenience to either will be held to a minimum.

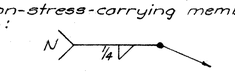
GENERAL NOTES

REMOVAL OF SUBSOILS: Before constructing the abutment embankments, the top layer of subsoil under the proposed embankment (consisting of 1 to 3 feet of soft silts and clays) shall be removed. The removal area is defined by the toe of the embankment slopes and a line 100 feet back of each abutment. The subsoil under the proposed pier footings shall be examined by the Engineer. All material judged as unsuitable by the Engineer shall be **removed** and replaced with throughly **compacted granular material.** Payment for this removal and backfill, where required, shall be included with roadway quantities for payment.

PROCEDURE: After the removal of subsoils as specified above, the embankments shall be constructed to the level of the subgrade for a min. distance of 200 feet back of the abutments. Excavation shall then be made for the abutments.

FOUNDATION BEARING PRESSURE: Pier and abutment footings are designed for a maximum foundation bearing pressure of **2.5** tons per sq. ft.

WELDS on non-stress-carrying members are shown thus:



POROUS BACKFILL 1'-6" thick shall extend the full length of the abutments. It shall extend up to the subgrade or to the surface of shoulders.

SCUPPERS: The 1½" × ½" support bar shown on SD-1-65 shall be omitted. **Scuppers and** support angles only shall be galvanized.

END DAM PAINTING: Portions of end **dams** which will be in **contact** with steel **or with** concrete shall not be painted. All other portions shall be cleaned and **painted** in accordance with 514.

JOINT SEALER: Item 828 joint sealer including bond **breaker**, shown in Section A-A of Standard **Drawing SD-1-65**, sheet **1**, shall be omitted.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

2 / 8

GENERAL PLAN & ELEVATION
NOTES AND QUANTITIES

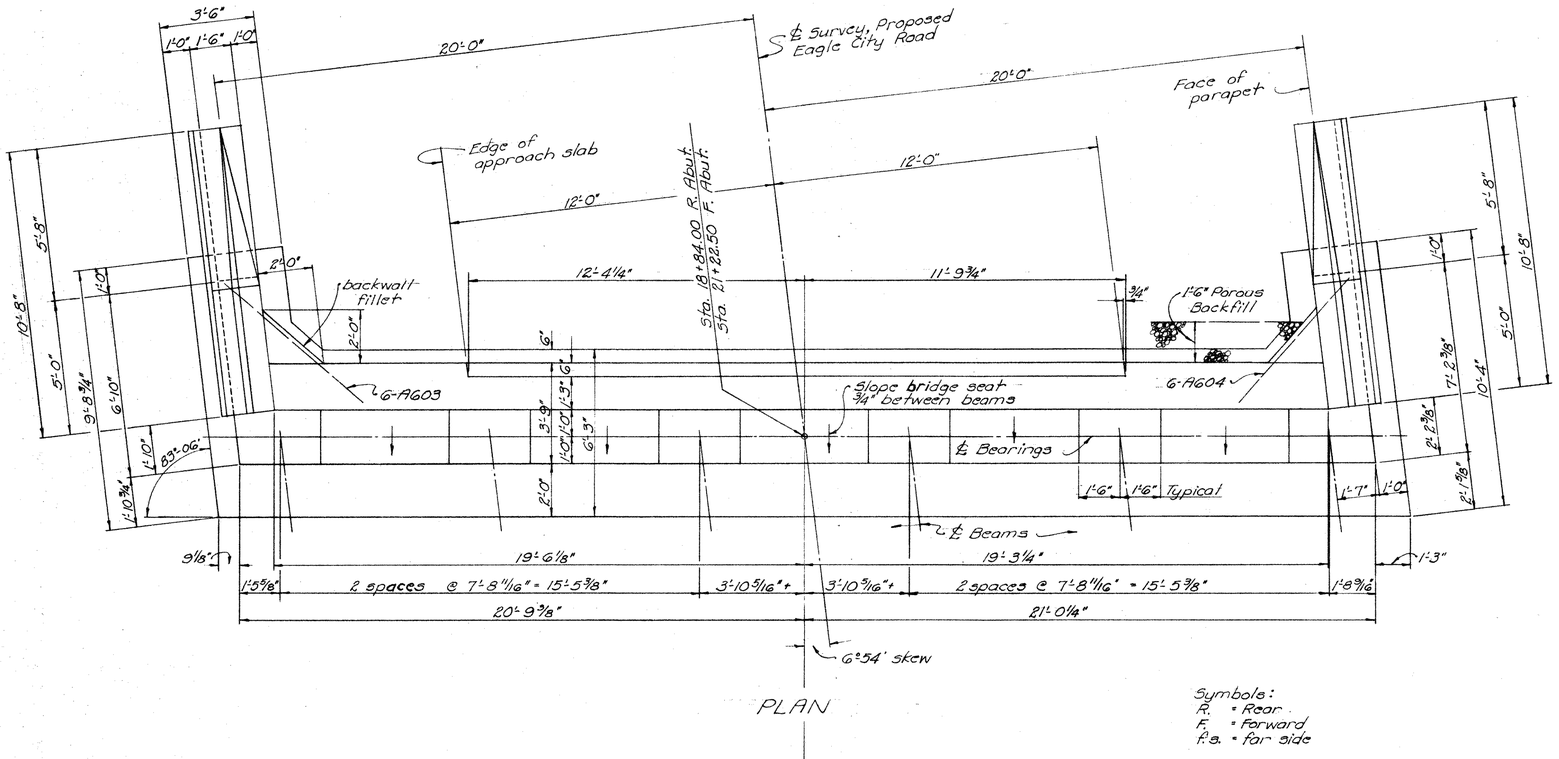
BRIDGE NO. CLA-68-1180
under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPB	MPB		CPD 4-2-69	BFG	4-23-69	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

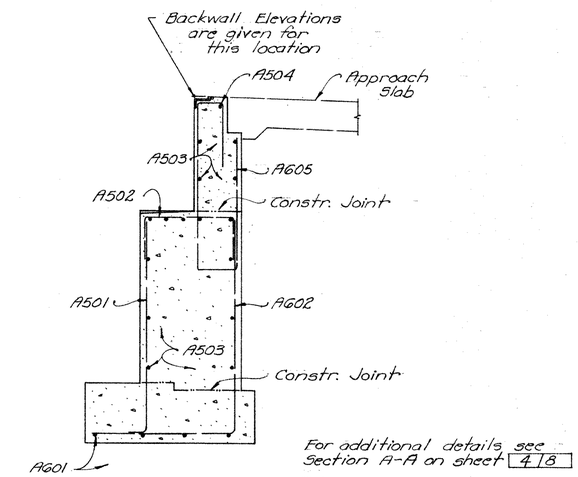
310 / 315

CLARK COUNTY
CLA. 68 - 7.86



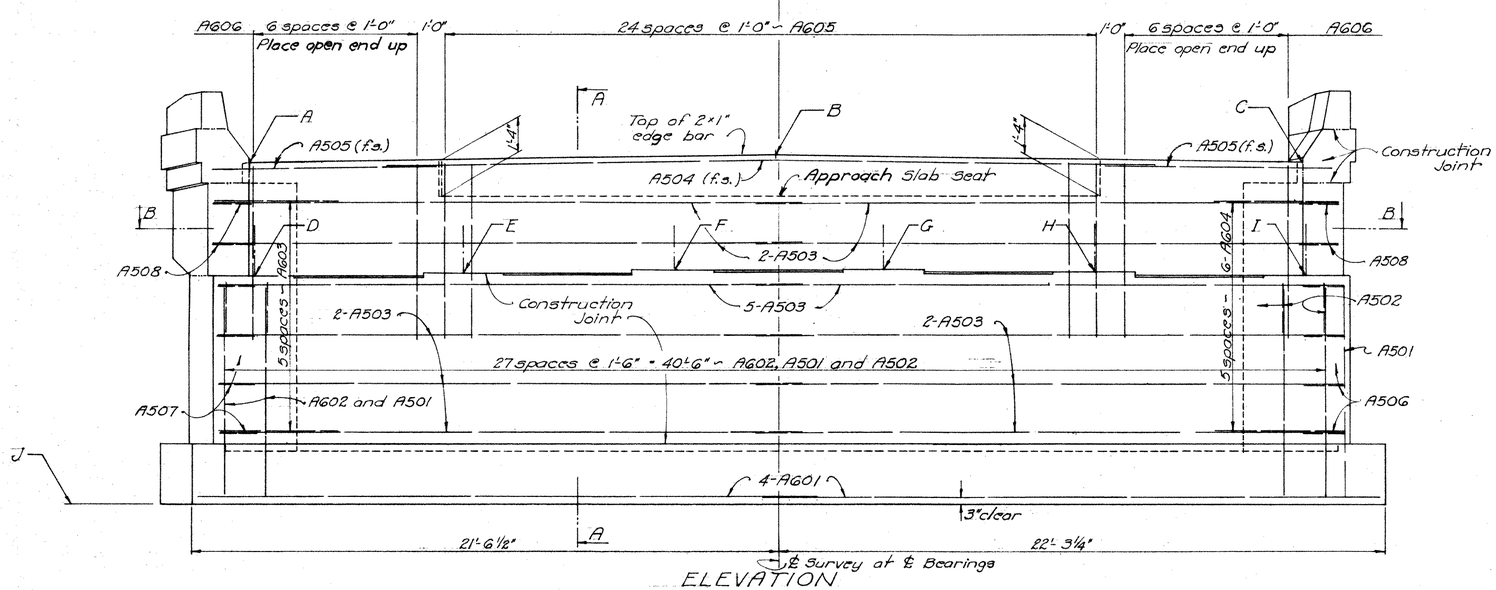
PLAN

Symbols:
R. = Rear
F. = Forward
f.s. = far side

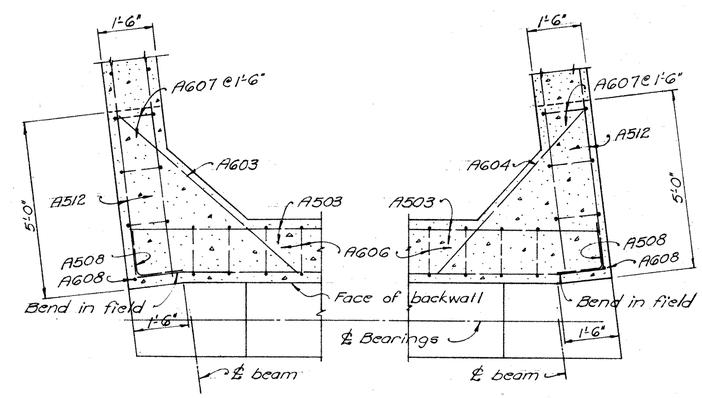


For additional details see Section A-A on sheet 4/8

SECTION A-A



ELEVATION



PART SECTION B-B

For additional abutment details see sheet 4/8

ELEVATIONS										
LOCATION	A	B	C	D	E	F	G	H	I	J
Rear Abutment	947.67	948.00	947.73	943.46	943.59	943.72	943.73	943.63	943.52	935.30
Forward Abutment	947.58	947.91	947.65	943.36	943.49	943.62	943.63	943.53	943.42	934.80

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

3 / 8

ABUTMENT DETAILS

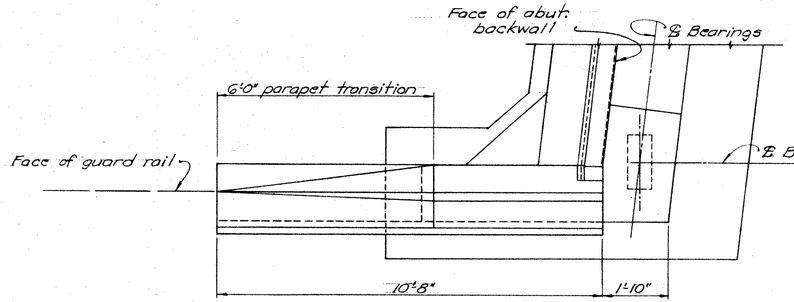
BRIDGE NO. CLA-68-1180 under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPB	MPB		CPD	BFG	4-23-69	

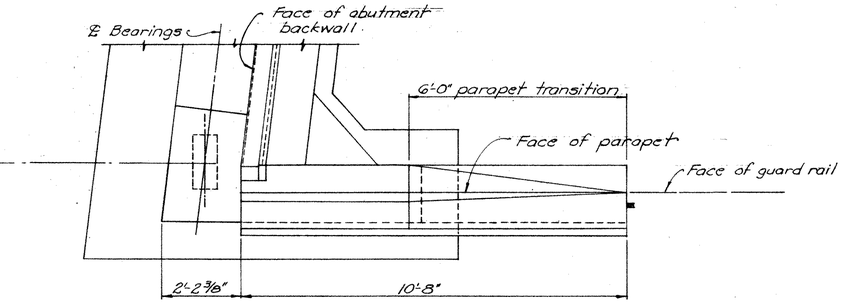
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

311 / 315

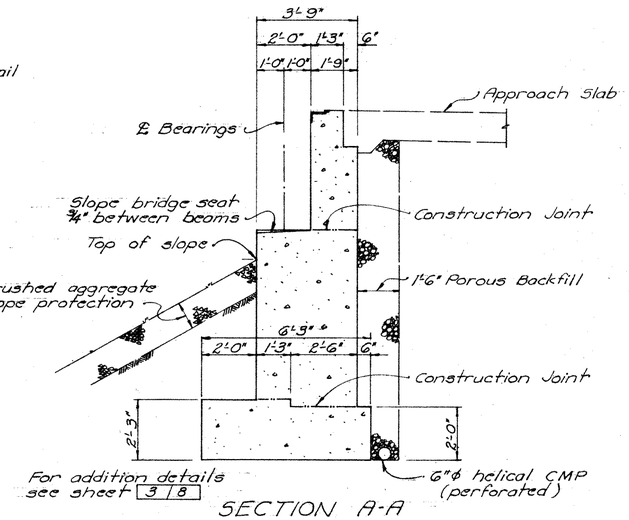
CLARK COUNTY
CLA. 68-786



PLAN
Right Rear and Left Forward

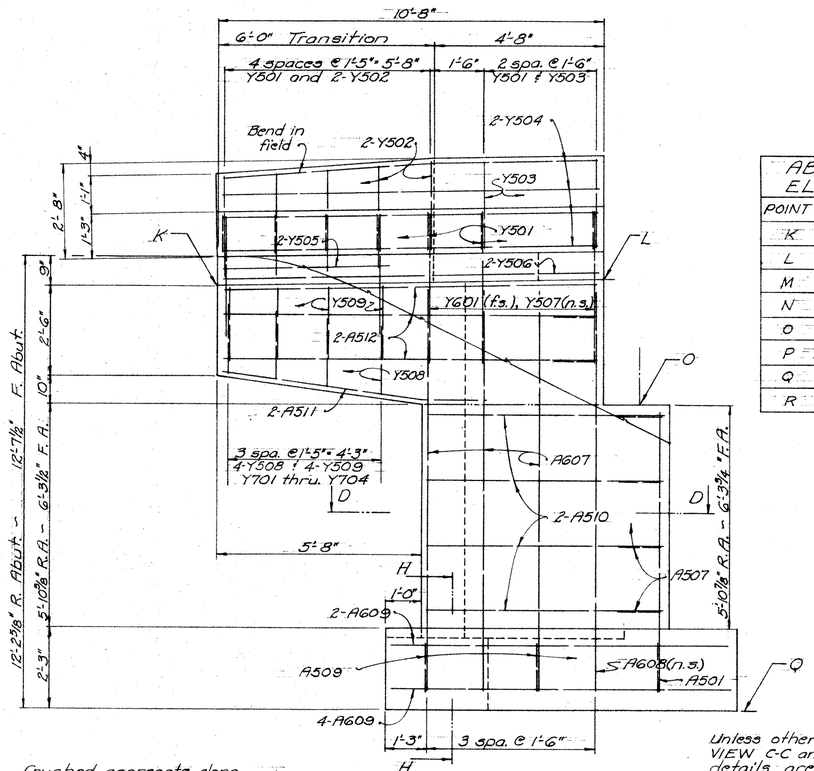


PLAN
Left Rear and Right Forward



For addition details see sheet 3/8

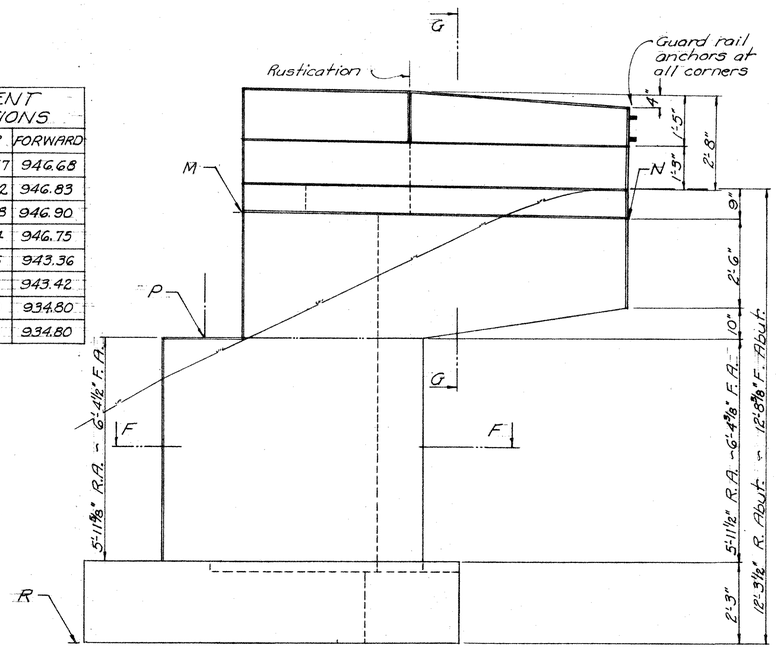
SECTION A-A



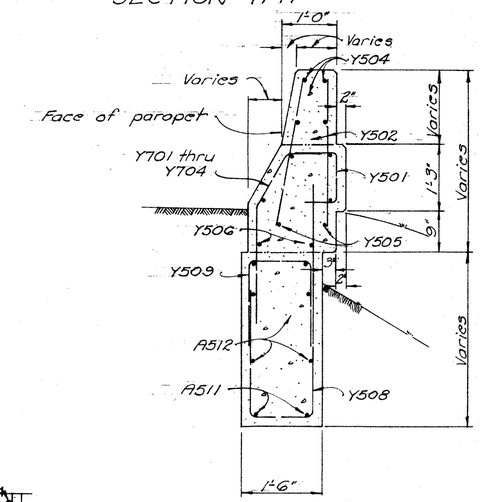
VIEW C-C

ABUTMENT ELEVATIONS		
POINT	REAR	FORWARD
K	946.77	946.68
L	946.92	946.83
M	946.98	946.90
N	946.84	946.75
O	943.46	943.36
P	943.52	943.42
Q	935.30	934.80
R	935.30	934.80

Unless otherwise noted VIEW C-C and VIEW E-E details are similar.



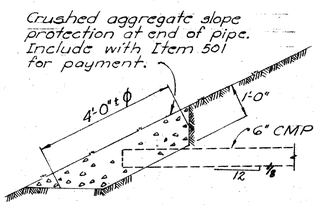
VIEW E-E



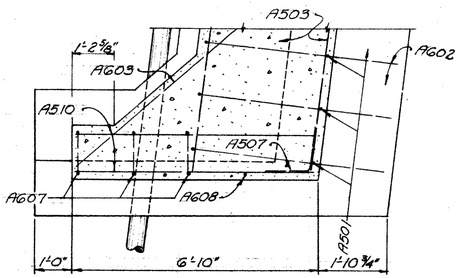
SECTION G-G

R.A. = Rear Abutment
F.A. = Forward Abutment
n.s. = near side
f.s. = far side

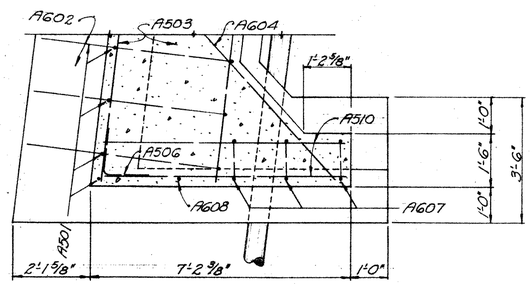
For additional details refer to Standard Drawing BR-1-67 and sheet 3/8



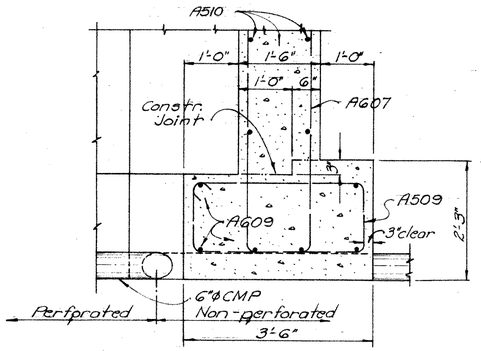
DETAIL A
Protective cover for abutment drains at embankment surface.



SECTION D-D



SECTION F-F



SECTION H-H

4/8

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

ABUTMENT DETAILS

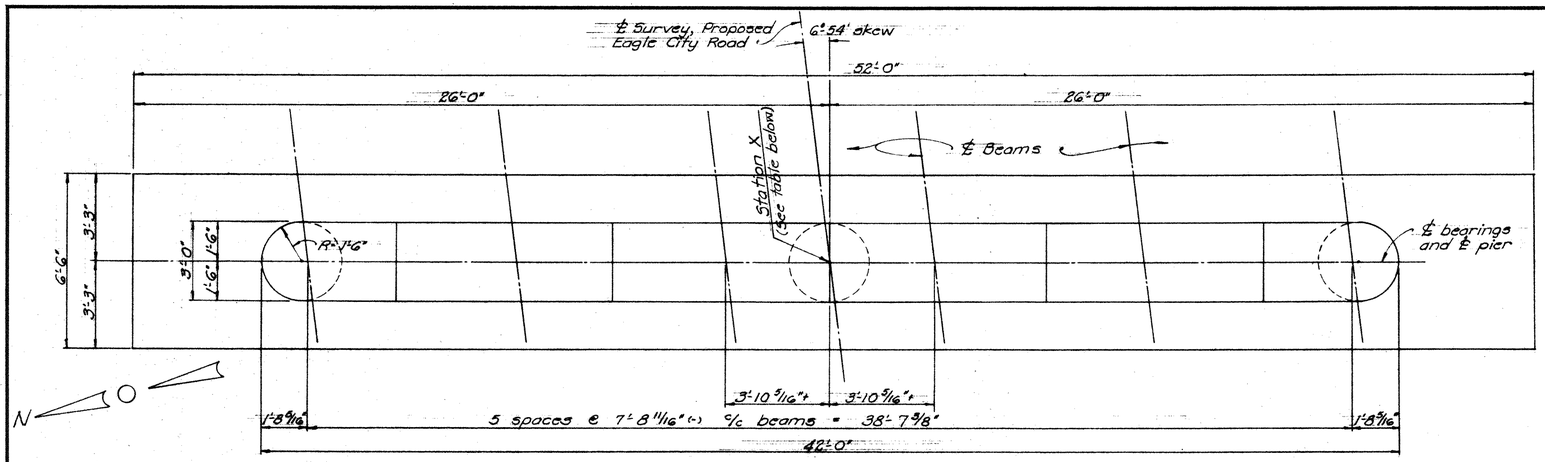
BRIDGE NO. CLA-68-1180 under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPB	MPB		CPD	BFG	4-23-69	

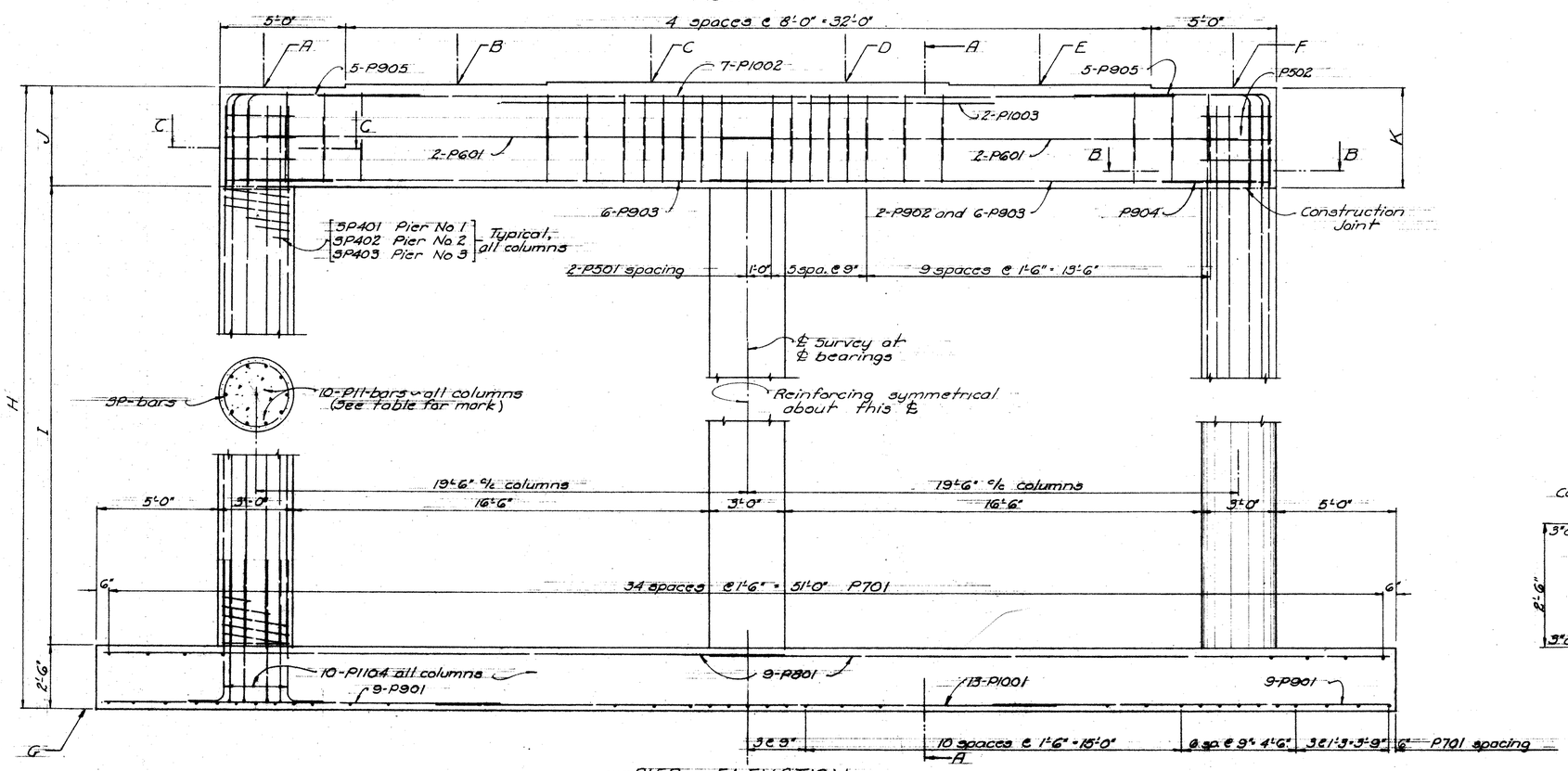
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

312/315

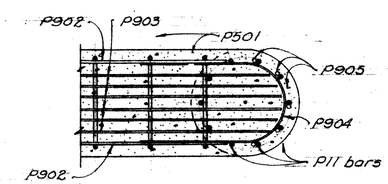
CLARK COUNTY
CLA. 68-7.86



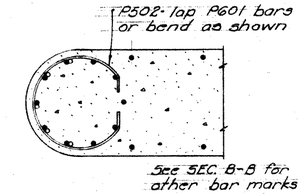
PLAN



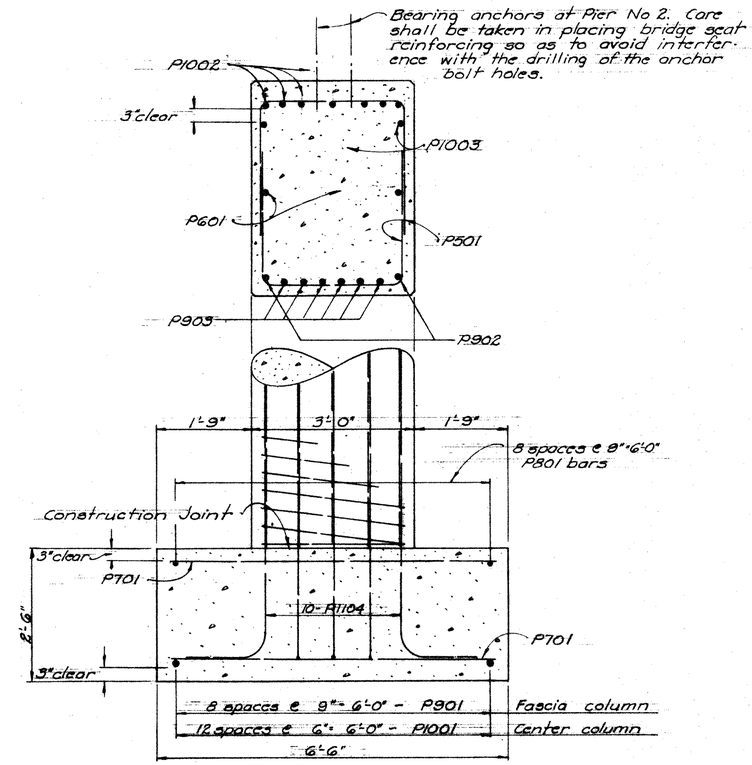
PIER ELEVATION



SECTION B-B



SECTION C-C



SECTION A-A

PIER DATA

LOCATION		ELEVATIONS							DIMENSIONS				REINFORCING	
Pier	Station X	A	B	C	D	E	F	G	H	I	J	K	5P-bars	P11-bars
No. 1	Sta. 19+32.00	943.64	943.75	943.86	943.86	943.73	943.60	920.00	23'-7 3/4"	17'-1 1/4"	4'-0 1/2"	4'-0"	5P401	P1101
No. 2	Sta. 20+00.00	943.85	943.97	944.09	944.09	943.87	943.85	918.00	24'-10 1/4"	18'-4 1/4"	4'-0"	4'-0"	5P402	P1102
No. 3	Sta. 20+68.00	943.59	943.71	943.84	943.85	943.73	943.62	918.00	25'-7 1/8"	19'-1 1/8"	4'-0"	4'-0 7/8"	5P403	P1103

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

5/8

PIER DETAILS

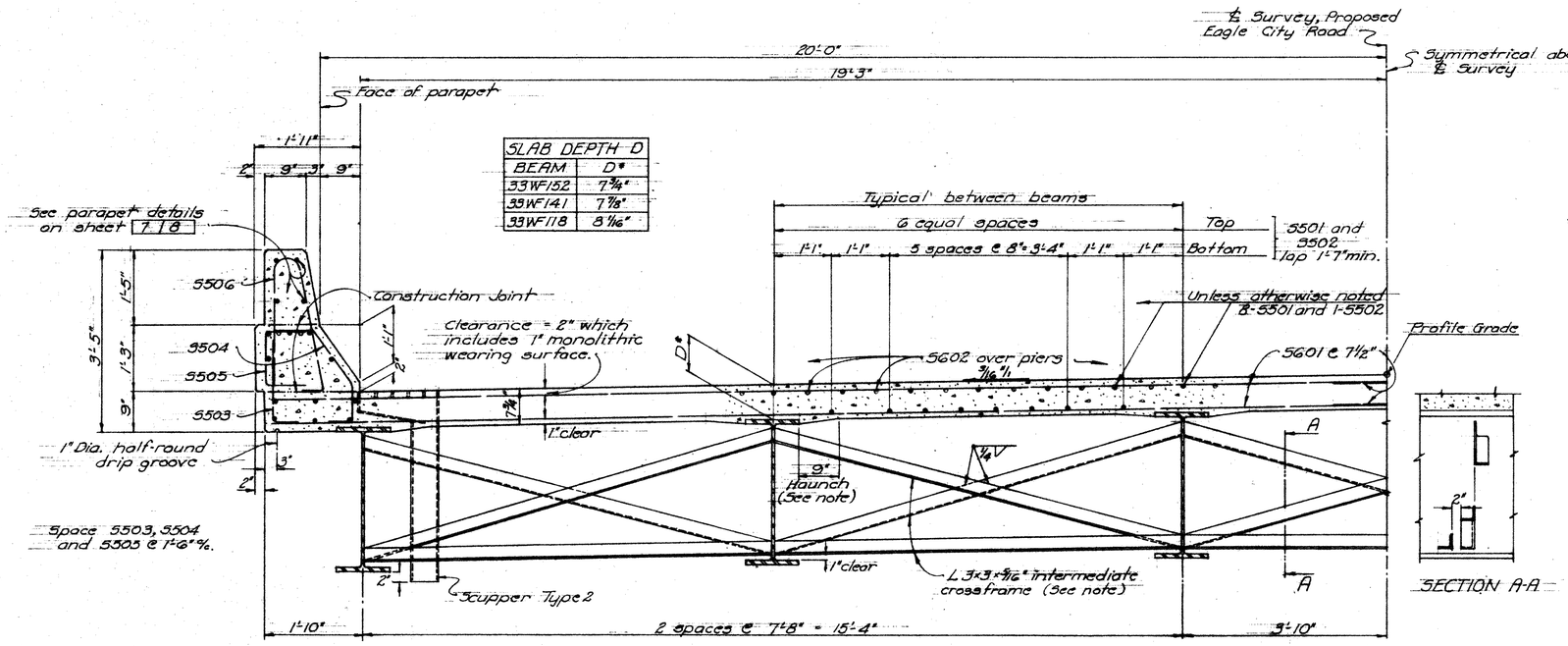
BRIDGE NO. CLA-68-1180
under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPB	MPB		CPD	BFG	4-23-69	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

313
315

CLARK COUNTY
CLA. 68 - 7.86



PART TRANSVERSE SECTION

SLAB DEPTH D	
BEAM	D*
33WF152	7¾"
33WF141	7⅞"
33WF118	8 5/16"

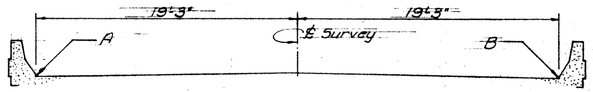
SECTION A-A

INTERMEDIATE CROSSFRAME angles 3×3×5/16. Weld both sides of vertical leg and top side of horizontal leg to beam with a ¼" continuous fillet weld.

SLAB HAUNCH: A typical haunch width of 9" shall be used for computing the quantity of concrete. However, the haunch width may vary between 6" and 12" provided that the slope shall be not more than 1:4 for a haunch less than 9" in width.

*SLAB DEPTH D: Dimensions shown in the table are nominal. The quantity of deck concrete to be paid for shall be paid for based on these dimensions even though deviation from them may be necessary because the beams may not have the exact camber or conformation required to place them parallel to the finished grade.

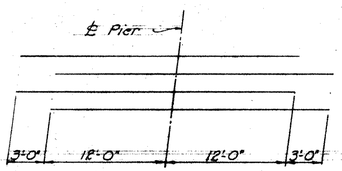
S601 bars shall be placed parallel to substructure elements.



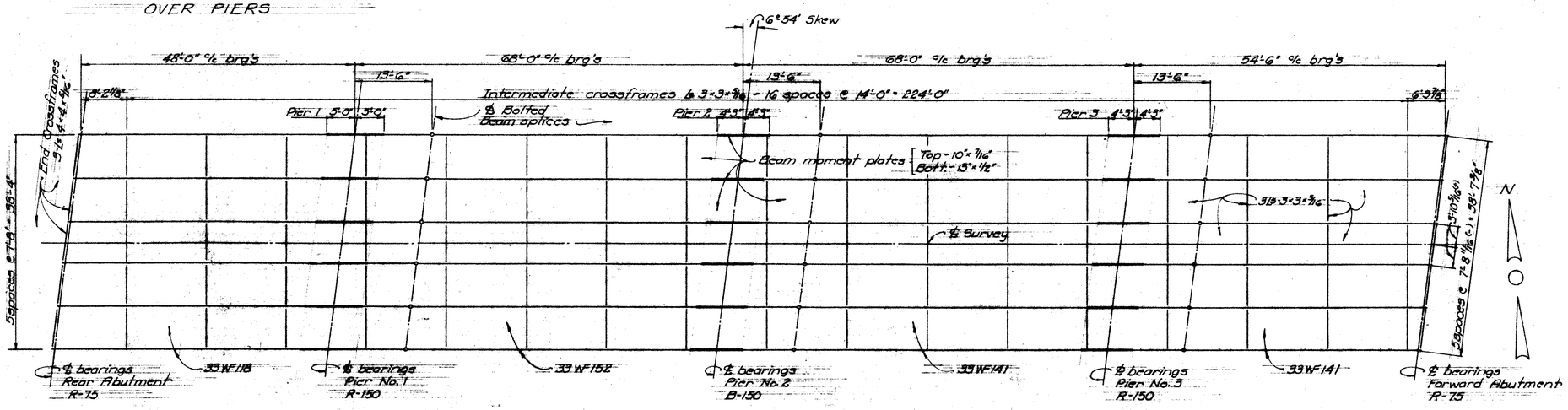
DECK SCREED ELEVATIONS*

Location	A West bound lane Station	A West bound lane Elev.	B East bound lane Station	B East bound lane Elev.
℄ Brg's	18+86.33	947.74	18+81.67	947.68
0.25 pt.	18+98.33	947.89	18+93.67	947.84
0.50 pt.	19+10.33	948.02	19+05.67	947.97
0.75 pt.	19+22.33	948.12	19+17.67	948.08
℄ Brg's	19+34.33	948.21	19+29.67	948.18
Splice	19+47.83	948.32	19+43.17	948.29
0.50 pt.	19+68.33	948.43	19+63.67	948.41
0.75 pt.	19+85.33	948.46	19+80.67	948.45
℄ Brg's	20+02.33	948.45	19+97.67	948.45
Splice	20+15.83	948.45	20+11.17	948.45
0.50 pt.	20+36.33	948.41	20+31.67	948.43
0.75 pt.	20+53.33	948.31	20+48.67	948.34
℄ Brg's	20+70.33	948.18	20+65.67	948.21
Splice	20+83.83	948.08	20+79.17	948.12
0.50 pt.	20+97.58	947.95	20+92.92	947.00
0.75 pt.	21+11.21	947.79	21+06.55	947.85
℄ Brg's	21+24.83	947.60	21+20.17	947.66

* For surface of deck prior to placing deck slab concrete.



STAGGER OF S602 BARS OVER PIERS



STEEL FRAMING PLAN

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

6 | 8

SUPERSTRUCTURE DETAILS

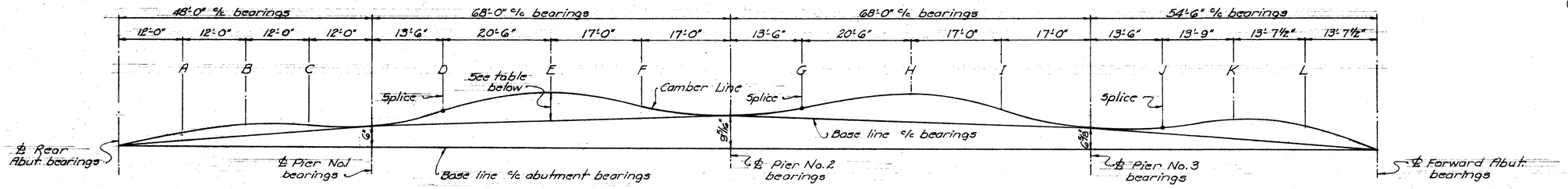
BRIDGE NO. CLA-68-1180
under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPP	MPP		CPD	BFG	4-23-69	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

314/315

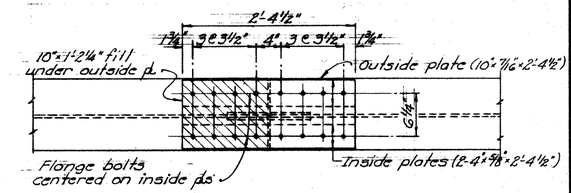
CLARK COUNTY
CLA. 68- 7.86



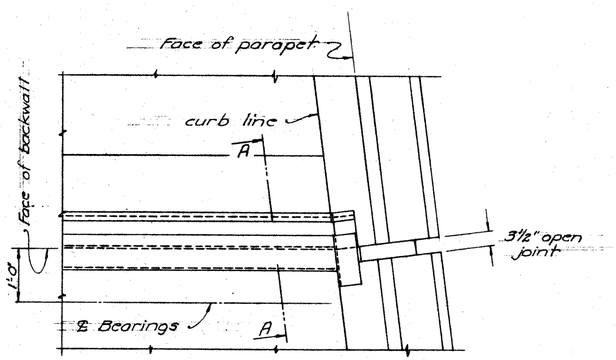
CAMBER DIAGRAM

DEFLECTION AND CAMBER												
DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L
Deflection due to weight of steel	-	-	-	+1/16"	+1/16"	-	-	+1/16"	+1/16"	-	+1/16"	+1/16"
Deflection due to remaining dead load	+1/8"	+1/8"	+1/16"	+3/16"	+3/8"	+1/4"	+1/8"	+3/8"	+3/16"	+1/8"	+3/16"	+1/4"
Adjustment for vertical curve	+1/4"	+3/8"	+1/4"	+1/2"	+3/4"	+9/16"	+1/2"	+3/4"	+9/16"	+3/8"	+1/2"	+9/16"
Sum of deflection and adjustment equals Required Camber	+5/8"	+1 1/2"	+9/16"	+1 3/4"	+1 9/16"	+1 13/16"	+5/8"	+1 9/16"	+1 13/16"	+1/2"	+1 1/8"	+1 11/16"

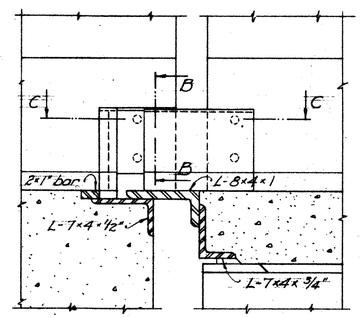
BEAM SPLICES: Refer to Standard Drawing SD-1-65 (sheet 3) for the 33 WF 141 beam splice of Span 4 and for other pertinent notes and details.



VIEW D-D

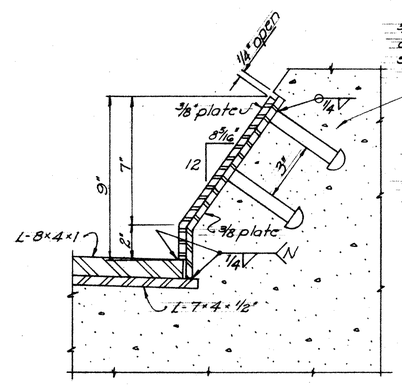


PART PLAN at abutment

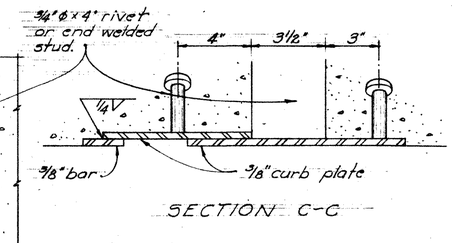


For additional End Dam details refer to Section A-A on SD-1-65 except that the joint sealer (Item 828) shall be omitted.

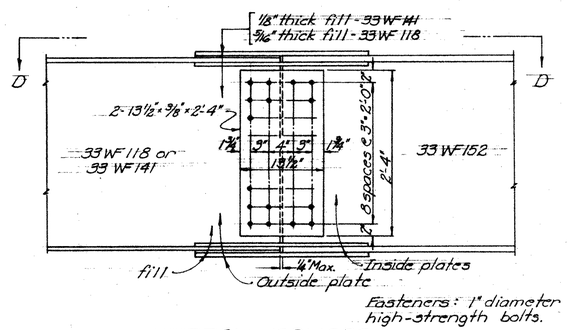
SECTION A-A



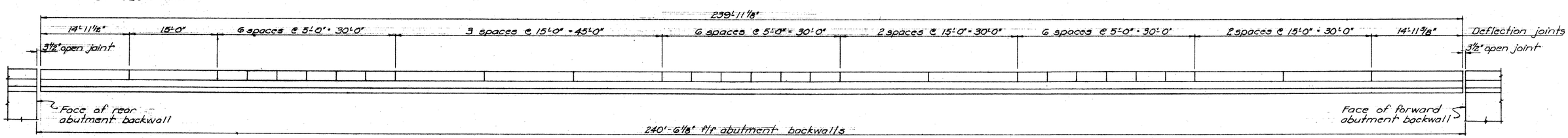
SECTION B-B



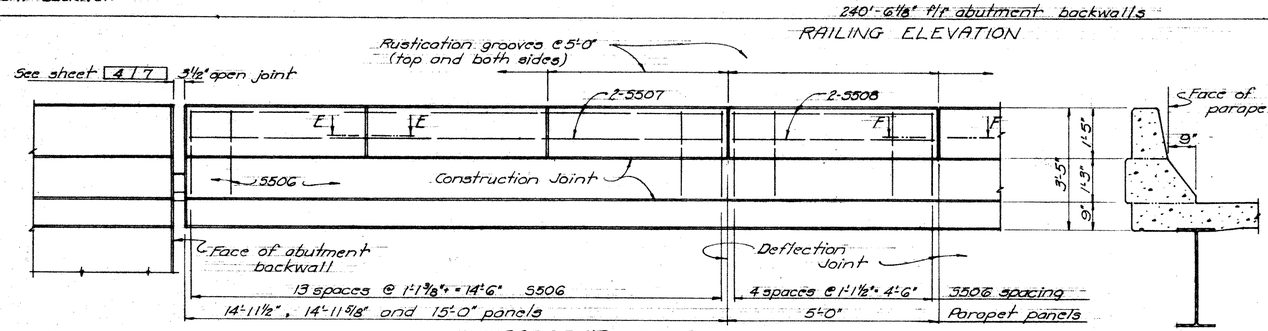
SECTION C-C



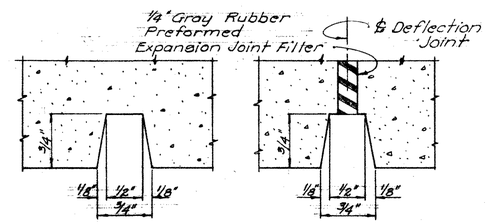
BEAM SPLICES



RAILING ELEVATION



PARAPET DETAILS



SECTION E-E SECTION F-F

RUSTICATION GROOVES

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

7/8

SUPERSTRUCTURE DETAILS

BRIDGE NO. CLA-68-1180
under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPB	MPB		CPD	BFG	4-23-69	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

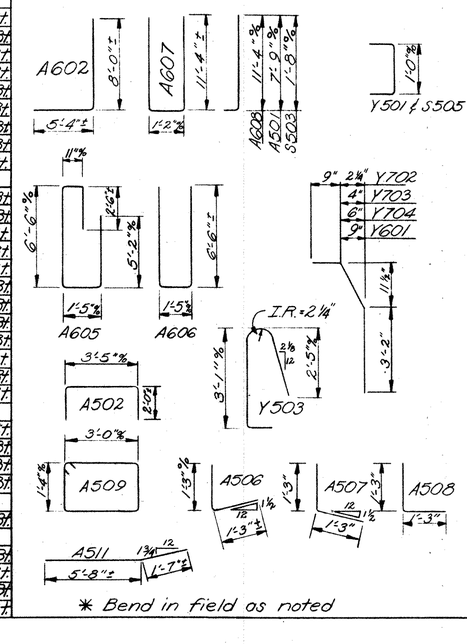
315 / 315

CLARK COUNTY
CLA. 68 - 7.86

REINFORCING STEEL LIST

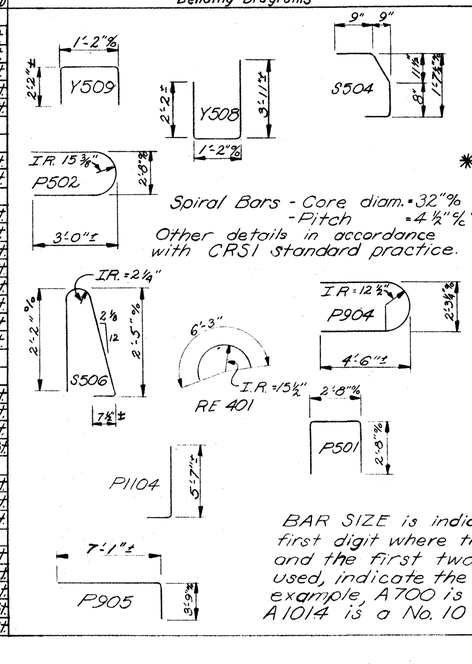
Mark	No.	Length	Weight	Shp
Abutments				
A601	16	22'-8"	545	St.
A602	56	13'-2"	1107	Bt.
A603	12	6'-9"	122	St.
A604	12	6'-3"	113	St.
A605	50	15'-10"	1189	Bt.
A606	28	14'-1"	592	Bt.
A607	12	23'-6"	424	Bt.
A608	4	12'-0"	72	Bt.
A609	24	9'-5"	339	St.
A501	58	8'-3"	499	Bt.
A502	56	7'-2"	419	Bt.
A503	60	21'-6"	1345	St.
A504	2	27'-4	57	St.
A505	4	8'-5"	35	St.
A506	8	2'-5"	20	Bt.
A507	8	2'-5"	20	Bt.
A508	8	2'-5"	20	Bt.
A509	12	9'-2"	115	Bt.
A510	32	6'-6"	217	St.
A511	8	7'-3"	60	Bt.
A512	24	10'-3"	257	St.
Y701	4	4'-4"	35	St.
Y702	4	4'-9"	39	Bt.
Y703	4	4'-10"	40	Bt.
Y704	4	4'-11"	40	Bt.
Y601	16	5'-0"	120	Bt.
Y501	32	2'-0"	67	Bt.
Y502	40	2'-9"	115	St.
Y503	12	6'-3"	78	Bt.
Y504	32	10'-3"	342	St.

Bending Diagrams



Mark	No.	Length	Weight	Shp
Abutments Cont.				
Y505	8	4'-6"	38	St.
Y506	8	10'-3"	86	St.
Y507	16	3'-9"	63	St.
Y508	16	7'-0"	117	Bt.
Y509	16	5'-3"	88	Bt.
Superstructure				
S601	1532	21'-11"	50432	St.
S602	102	27'-0"	4137	St.
S501	728	30'-0"	22779	St.
S502	91	12'-4"	1171	St.
S503	320	2'-2"	723	Bt.
S504	320	3'-0"	1001	Bt.
S505	320	2'-0"	668	Bt.
S506	460	5'-4"	2559	Bt.
S507	80	14'-7"	1217	St.
S508	144	4'-8"	701	St.
Piers				
P1101	30	20'-6"	3267	St.
P1102	30	21'-9"	3467	St.
P1103	30	22'-6"	3586	St.
P1104	90	6'-9"	3228	Bt.
P1001	39	24'-0"	4028	St.
P1002	21	34'-0"	3072	St.
P1003	6	20'-0"	516	St.
P901	54	16'-7"	3045	St.
P902	6	38'-0"	775	St.
P903	36	22'-0"	2693	St.
P904	6	10'-2'	207	Bt.
P905	30	10'-7"	1079	Bt.

Bending Diagrams



Spiral Bars - Core diam. = 32"%
- Pitch = 4 1/2"%

Other details in accordance with CRSI standard practice.

BAR SIZE is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A700 is a No. 7 size bar and A1014 is a No. 10 size.

Mark	No.	Length	Weight	Shp
Piers Cont.				
P801	54	27'-0"	3892	St.
P701	240	6'-0"	2943	St.
P601	12	20'-6"	369	St.
P501	180	7'-9"	1455	Bt.
* P502	18	7'-6"	141	Bt.
SP401	3	17'-1"	967	Bt.
SP402	3	18'-4	1034	Bt.
SP403	3	19'-1"	1075	Bt.
Replacement Bars				
RE1101	1	8'-6"	—	St.
RE1001	1	8'-2"	—	St.
RE901	1	7'-10"	—	St.
RE801	1	7'-6"	—	St.
RE701	1	6'-0"	—	St.
RE601	3	6'-11"	—	St.
RE501	2	6'-7"	—	St.
RE401	1	6'-3"	—	Bt.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

8/8

REINFORCING STEEL LIST
BRIDGE NO. CLA-68-1180
Under EAGLE CITY ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MPB	TGC	-	CPD	BFG	4-23-69	