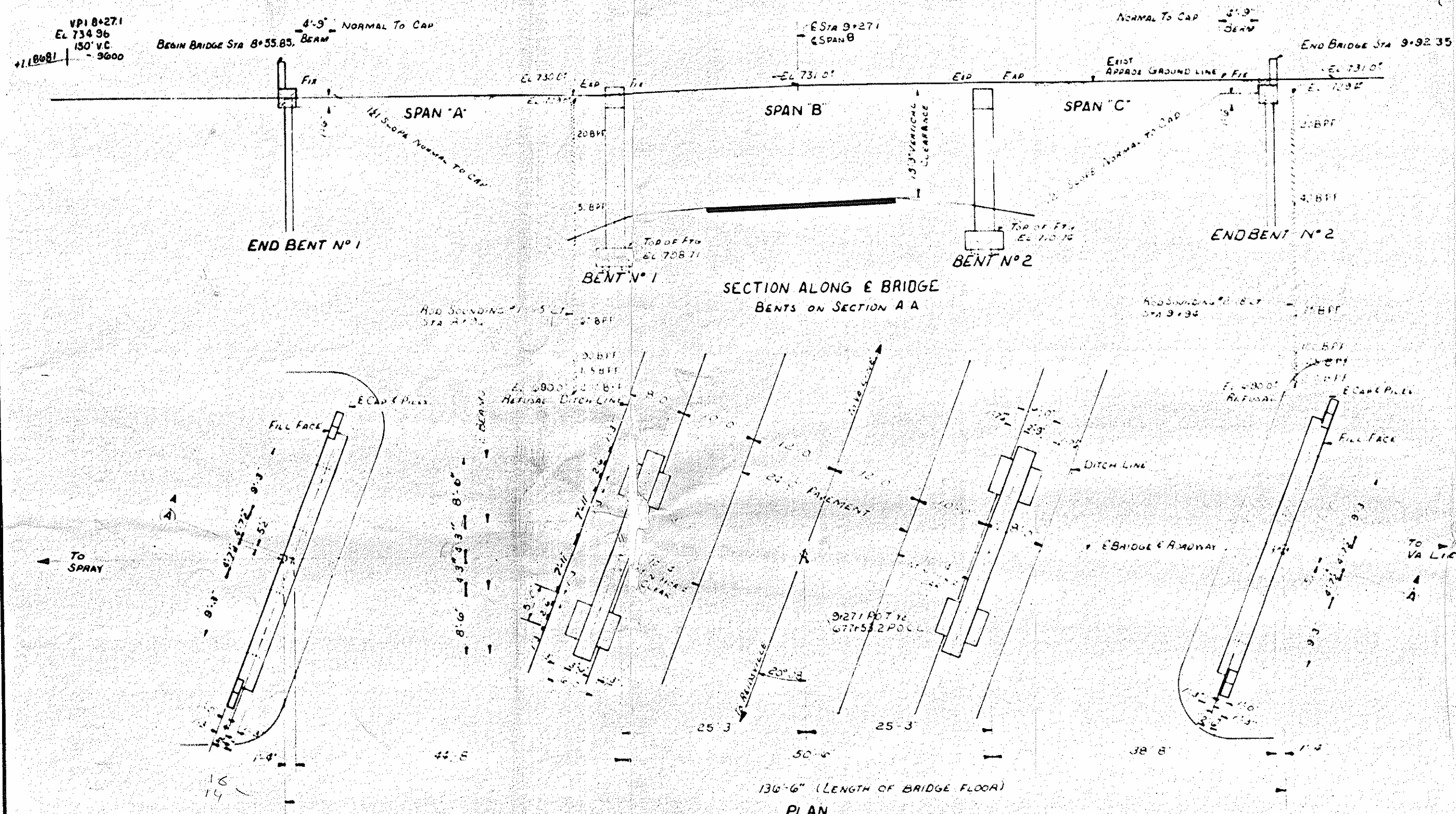


FILE NO.	DATE	PROJECT NO.
8	8.15.82	815892.02
P.A. PROJECT 5-306(6)		

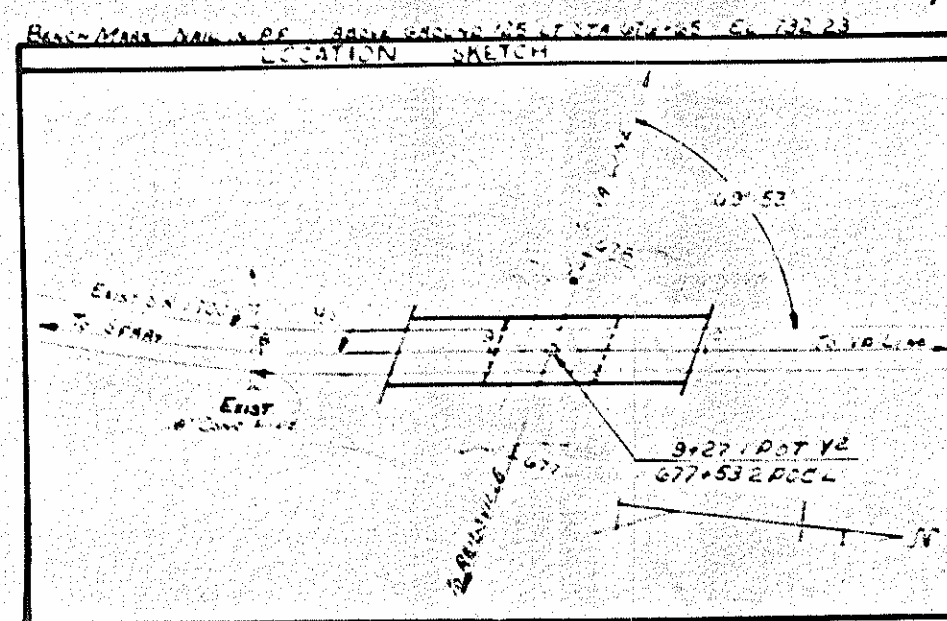


NOTES

- ASSUMED LIVE LOAD: H15- (44)
- FOR OTHER DESIGN DATA AND GENERAL NOTES SEE SHEET S-N
- ALL PILES TO BE DRIVEN TO MINIMUM BEARING CAPACITY OF 30 TONS EACH
- WORK IS NOT TO BE STARTED ON THIS BRIDGE UNTIL AFTER ROADWAY SECTION HAS BEEN EXCAVATED BY THE ROADWAY CONTRACTOR
- UNCLASSIFIED STRUCTURE EXCAVATION FOR BENTS NO 1&2 TO BE MEASURED FROM SURFACE OF ROADWAY CUT
- CROSSHATCHED AREA TO BE EXCAVATED BY THE STRUCTURE CONTRACTOR SEE SPECIAL PROVISIONS
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING THE LENGTHS OF PILES SEE SPECIAL PROVISIONS
- TRAFFIC IS TO BE DETOURD DURING CONSTRUCTION OF PROPOSED BRIDGE SEE SPECIAL PROVISIONS

I hereby certify that this structure is true according to these plans except for changes noted thereon.

25. J. H. H. H. H. H.



TOTAL BILL OF MATERIAL					
	CLASS 'A' CONCRETE	REIN. STEEL	STRUCTURAL STEEL	12 MS. STEEL PILE	UNCLASS. STRUCTURAL LUMBER
SUPERSTRUCTURE	156.2	3,105.1	75,100	4	1,182
END BENT N°1	10.3	2,223		8	2,201
BENT N°1	215	4,435		8	2,201
BENT N°2	232	4,203		8	2,201
END BENT N°2	12.4	2,223		4	1,182
TOTALS	206.4	11,775	75,100	24	5,567

PROJECT NO. 815892.02
 ROCKINGHAM COUNTY
 STATION: 677+532.1-
 9+271.4

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 RALEIGH
 GENERAL DRAWING FOR BRIDGE
 ON SR 1700Y BETWEEN SPRAY
 AND VA LINE OVER THE PROJECT

REVISIONS			
NO.	BY	DATE	REVISION
1			
2			

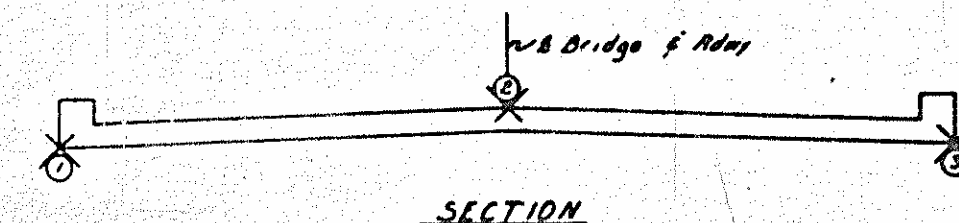
DESIGNED BY: J. H. H. H. H. H.
 CHECKED BY: J. H. H. H. H. H.
 DATE: 8/15/82

GRADE DATA

+11860% → -39600% →

PLAN

HEADERS									
Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 1	Full Page at E.O. 2
Point Size	Point Size	Point Size	Point Size	Point Size	Point Size	Point Size	Point Size	Point Size	Point Size
11 Gutter 734 77	11 Gutter 733 856	11 Gutter 735 471	11 Gutter 734 509	11 Gutter 734 509	11 Gutter 734 509	11 Gutter 734 509	11 Gutter 734 509	11 Gutter 734 509	11 Gutter 733 087
512	733 899	509	509	509	509	509	509	509	163
546	734 032	547	547	547	547	547	547	547	163
580	071	586	586	586	586	586	586	586	206
614	109	624	624	624	624	624	624	624	240
647	147	662	662	662	662	662	662	662	278
681	185	700	700	700	700	700	700	700	316
714	223	739	739	739	739	739	739	739	353
746	260	746	746	746	746	746	746	746	362
787	296	781	781	781	781	781	781	781	537
818	332	817	817	817	817	817	817	817	513
849	367	847	847	847	847	847	847	847	889
880	403	885	885	885	885	885	885	885	885
910	439	905	905	905	905	905	905	905	241
941	474	941	941	941	941	941	941	941	217
970	509	970	970	970	970	970	970	970	192
1000	544	1000	1000	1000	1000	1000	1000	1000	
1030	579	1030	1030	1030	1030	1030	1030	1030	
1060	614	1060	1060	1060	1060	1060	1060	1060	
1090	649	1090	1090	1090	1090	1090	1090	1090	
1120	684	1120	1120	1120	1120	1120	1120	1120	
1150	719	1150	1150	1150	1150	1150	1150	1150	
1180	754	1180	1180	1180	1180	1180	1180	1180	
1210	789	1210	1210	1210	1210	1210	1210	1210	
1240	824	1240	1240	1240	1240	1240	1240	1240	
1270	859	1270	1270	1270	1270	1270	1270	1270	
1300	894	1300	1300	1300	1300	1300	1300	1300	
1330	929	1330	1330	1330	1330	1330	1330	1330	
1360	964	1360	1360	1360	1360	1360	1360	1360	
1390	999	1390	1390	1390	1390	1390	1390	1390	
1420	1034	1420	1420	1420	1420	1420	1420	1420	
1450	1069	1450	1450	1450	1450	1450	1450	1450	
1480	1104	1480	1480	1480	1480	1480	1480	1480	
1510	1139	1510	1510	1510	1510	1510	1510	1510	
1540	1174	1540	1540	1540	1540	1540	1540	1540	
1570	1209	1570	1570	1570	1570	1570	1570	1570	
1600	1244	1600	1600	1600	1600	1600	1600	1600	
1630	1279	1630	1630	1630	1630	1630	1630	1630	
1660	1314	1660	1660	1660	1660	1660	1660	1660	
1690	1349	1690	1690	1690	1690	1690	1690	1690	
1720	1384	1720	1720	1720	1720	1720	1720	1720	
1750	1419	1750	1750	1750	1750	1750	1750	1750	
1780	1454	1780	1780	1780	1780	1780	1780	1780	
1810	1489	1810	1810	1810	1810	1810	1810	1810	
1840	1524	1840	1840	1840	1840	1840	1840	1840	
1870	1559	1870	1870	1870	1870	1870	1870	1870	
1900	1594	1900	1900	1900	1900	1900	1900	1900	
1930	1629	1930	1930	1930	1930	1930	1930	1930	
1960	1664	1960	1960	1960	1960	1960	1960	1960	
1990	1699	1990	1990	1990	1990	1990	1990	1990	
2020	1734	2020	2020	2020	2020	2020	2020	2020	
2050	1769	2050	2050	2050	2050	2050	2050	2050	
2080	1804	2080	2080	2080	2080	2080	2080	2080	
2110	1839	2110	2110	2110	2110	2110	2110	2110	
2140	1874	2140	2140	2140	2140	2140	2140	2140	
2170	1909	2170	2170	2170	2170	2170	2170	2170	
2200	1944	2200	2200	2200	2200	2200	2200	2200	
2230	1979	2230	2230	2230	2230	2230	2230	2230	
2260	2014	2260	2260	2260	2260	2260	2260	2260	
2290	2049	2290	2290	2290	2290	2290	2290	2290	
2320	2084	2320	2320	2320	2320	2320	2320	2320	
2350	2119	2350	2350	2350	2350	2350	2350	2350	
2380	2154	2380	2380	2380	2380	2380	2380	2380	
2410	2189	2410	2410	2410	2410	2410	2410	2410	
2440	2224	2440	2440	2440	2440	2440	2440	2440	
2470	2259	2470	2470	2470	2470	2470	2470	2470	
2500	2294	2500	2500	2500	2500	2500	2500	2500	
2530	2329	2530	2530	2530	2530	2530	2530	2530	
2560	2364	2560	2560	2560	2560	2560	2560	2560	
2590	2399	2590	2590	2590	2590	2590	2590	2590	
2620	2434	2620	2620	2620	2620	2620	2620	2620	
2650	2469	2650	2650	2650	2650	2650	2650	2650	
2680	2504	2680	2680	2680	2680	2680	2680	2680	
2710	2539	2710	2710	2710	2710	2710	2710	2710	
2740	2574	2740	2740	2740	2740	2740	2740	2740	
2770	2609	2770	2770	2770	2770	2770	2770	2770	
2800	2644	2800	2800	2800	2800	2800	2800	2800	
2830	2679	2830	2830	2830	2830	2830	2830	2830	
2860	2714	2860	2860	2860	2860	2860	2860	2860	
2890	2749	2890	2890	2890	2890	2890	2890	2890	
2920	2784	2920	2920	2920	2920	2920	2920	2920	
2950	2819	2950	2950	2950	2950	2950	2950	2950	
2980	2854	2980	2980	2980	2980	2980	2980	2980	
3010	2889	3010	3010	3010	3010	3010	3010	3010	
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3100	2994	3100	3100	3100	3100	3100	3100	3100	
3130	3029	3130	3130	3130	3130	3130	3130	3130	
3160	3064	3160	3160	3160	3160	3160	3160	3160	
3190	3099	3190	3190	3190	3190	3190	3190	3190	
3220	3134	3220	3220	3220	3220	3220	3220	3220	
3250	3169	3250	3250	3250	3250	3250	3250	3250	
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3340	3274	3340	3340	3340	3340	3340	3340	3340	
3370	3309	3370	3370	3370	3370	3370	3370	3370	
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3460	3414	3460	3460	3460	3460	3460	3460	3460	
3490	3449	3490	3490	3490	3490	3490	3490	3490	
3520	3484	3520	3520	3520	3520	3520	3520	3520	
3550	3519	3550	3550	3550	3550	3550	3550	3550	
3580	3554	3580	3580	3580	3580	3580	3580	3580	
3610	3589	3610	3610	3610	3610	3610	3610	3610	
3640	3624	3640	3640	3640	3640	3640	3640	3640	
3670	3659	3670	3670	3670	3670	3670	3670	3670	
3700	3694	3700	3700	3700	3700	3700	3700	3700	
3730	3729	3730	3730	3730	3730	3730	3730	3730	
3760	3764	3760	3760	3760	3760	3760	3760	3760	
3790	3799	3790	3790	3790	3790	3790	3790	3790	
3820	3834	3820	3820	3820	3820	3820	3820	3820	
3850	3869	3850	3850	3850	3850	3850	3850	3850	
3880	3904	3880	3880	3880	3880	3880	3880	3880	
3910	3939	3910	3910	3910	3910	3910	3910	3910	
3940	3974	3940	3940	3940	3940	3940	3940	3940	
3970	4009	3970	3970	3970	3970	3970	3970	3970	
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4060	4114	4060	4060	4060	4060	4060	4060	4060	
4090	4149	4090	4090	4090	4090	4090	4090	4090	
4120	4184	4120	4120	4120	4120	4120	4120	4120	
4150	4219	4150	4150	4150	4150	4150	4150	4150	
4180	4254	4180	4180	4180	4180	4180	4180	4180	
4210	4289	4210	4210	4210	4210	4210	4210	4210	
4240	4324	4240	4240	4240	4240	4240	4240	4240	
4270	4359	4270	4270	4270	4270	4270	4270	4270	
4300	4394	4300	4300	4300	4300	4300	4300	4300	
4330	4429	4330	4330	4330	4330	4330	4330	4330	
4360	4464	4360	4360	4360	4360	4360	4360	4360	
4390	4499	4390	4390	4390	4390	4390	4390	4390	
4420	4534	4420	4420	4420	4420	4420	4420	4420	
4450	4569	4450	4450	4450	4450	4450	4450	4450	
4480	4604	4480	4480	4480	4480	4480	4480	4480	
4510	4639	4510	4510	4510	4510	4510	4510	4510	
4540	4674	4540	4540	4540	4540	4540	4540	4540	
4570	4709	4570	4570	4570	4570				



SUPERIMPOSED DEAD LOAD DEFLECTIONS (inches)										
	SPAN 1		SPAN 2		SPAN 3		SPAN 4		SPAN 5	
1st	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
2nd	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
3rd	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
4th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
5th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
6th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
7th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
8th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
9th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
10th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
11th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
12th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
13th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
14th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
15th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
16th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
17th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
18th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
19th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
20th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
21st	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
22nd	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
23rd	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
24th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
25th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
26th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
27th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
28th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
29th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
30th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
31st	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
32nd	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
33rd	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
34th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
35th	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"

PROJECT NO. 81589202
ROCKINGHAM COUNTY
STATION: 677+53.2-L. POC
9+271-Y. POT

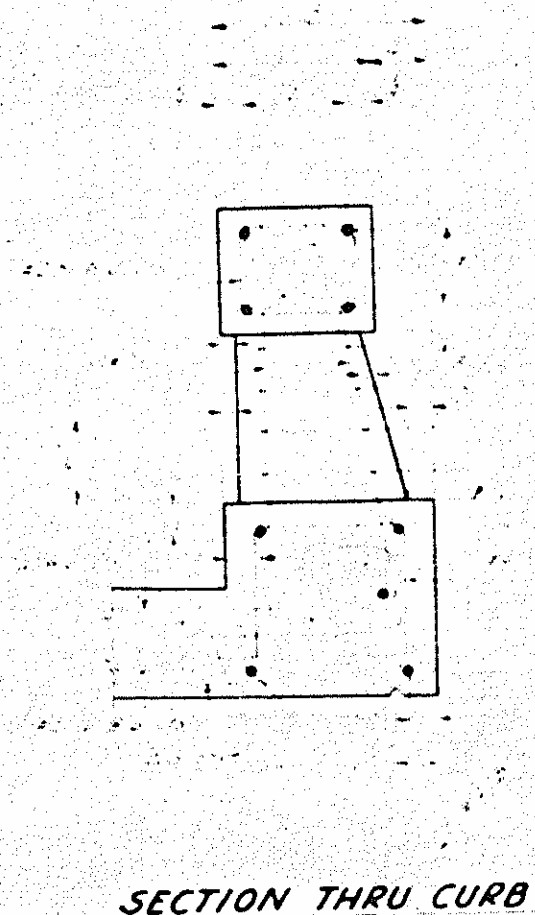
NOTES

Provisions shown in these tables are final required provisions of the complete structure in setting up firm divisions and scored divisions. Provisions must be made for collections where required.

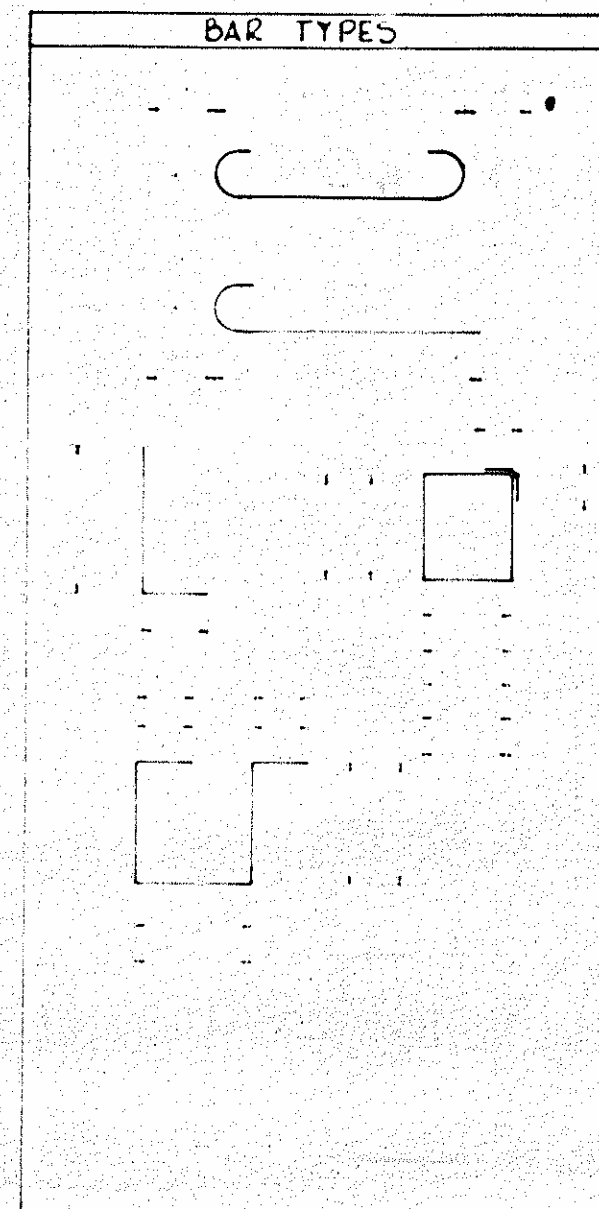
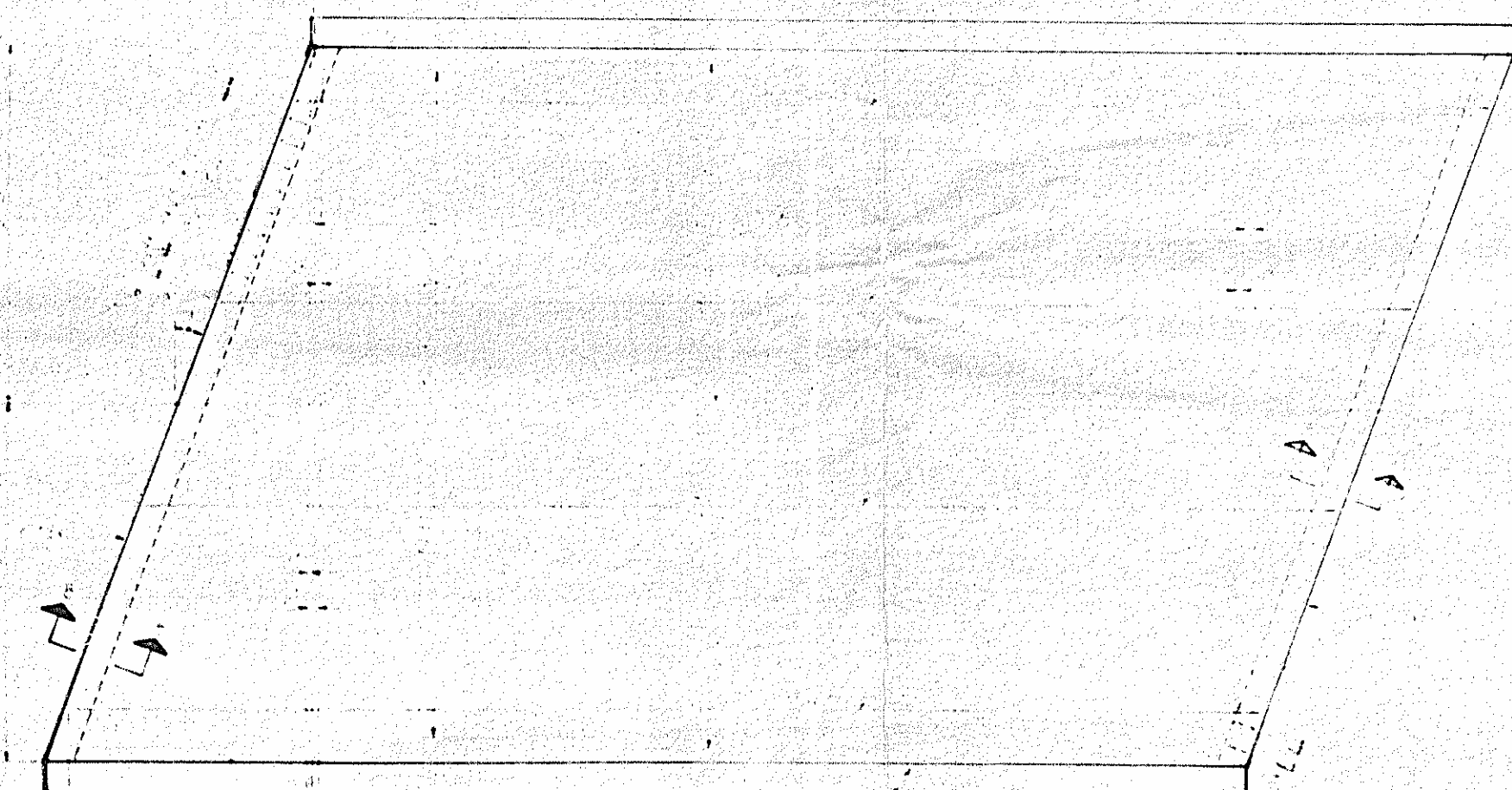
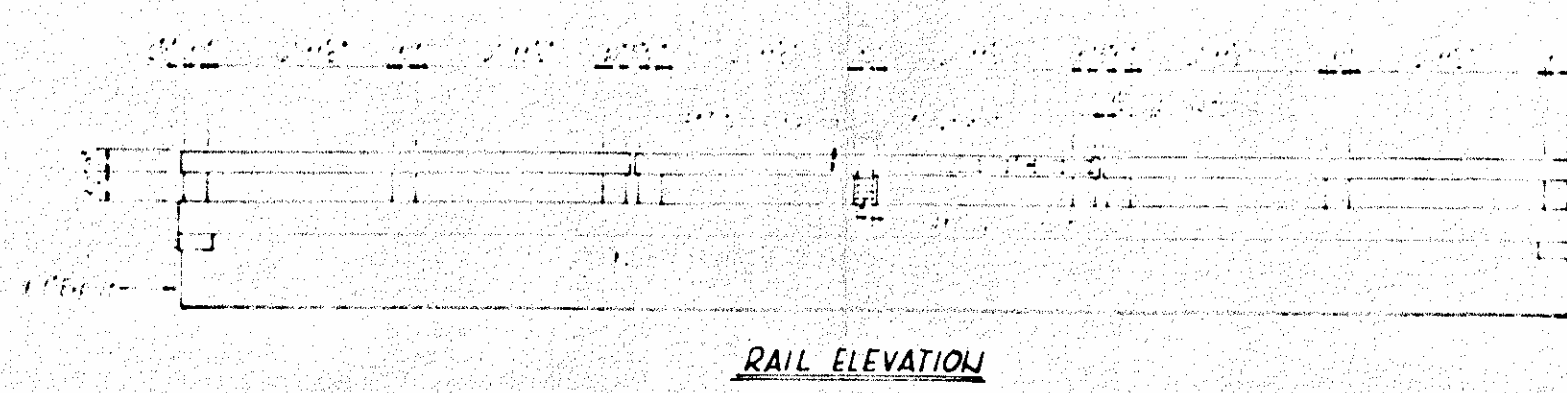
for columns 4 thru 7, points
are at 2 1/2' intervals, normal to E
of roadway, from left gutter line
to right gutter line

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH
ELEVATIONS
FOR
SETTING UP
FORMS AND SCREEDS
January, 1965

DRAWN BY *M. O. Chapman* DATE *June, 1965*
CHECKED BY *O. R. Lugg* DATE *July, 1965*



STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
MAY 1963
***SUPERSTRUCTURE
SECTIONS & DETAILS
30' RDWY. - 4-STL. BMS.
CONC. POST & RAIL***
JUNE 1963



BILL OF MATERIAL FOR SPAN B									
Bar No.	Bar Size	Bar Type	Length	Weight	Bar No.	Bar Size	Bar Type	Length	Weight
1	1/2"	U	10.0	1.10	11	1/2"	U	10.0	1.10
2	1/2"	U	10.0	1.10	12	1/2"	U	10.0	1.10
3	1/2"	U	10.0	1.10	13	1/2"	U	10.0	1.10
4	1/2"	U	10.0	1.10	14	1/2"	U	10.0	1.10
5	1/2"	U	10.0	1.10	15	1/2"	U	10.0	1.10
6	1/2"	U	10.0	1.10	16	1/2"	U	10.0	1.10
7	1/2"	U	10.0	1.10	17	1/2"	U	10.0	1.10
8	1/2"	U	10.0	1.10	18	1/2"	U	10.0	1.10
9	1/2"	U	10.0	1.10	19	1/2"	U	10.0	1.10
10	1/2"	U	10.0	1.10	20	1/2"	U	10.0	1.10

PROJECT NO. 81589202
 ROCKINGHAM COUNTY
 STATION: 677+53.2 - L -
 9+27.1 - Y2

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
 RALEIGH
SUPERSTRUCTURE
SPAN B

REVISIONS				SHEET	
NO.	BY	DATE	NO.	BY	DATE

TOTAL SHEETS: 10
 SHEET NO. 10

DESIGNED BY: G. C. PARKER DATE: JUNE 1965
 CHECKED BY: DATE: JUNE 1965
 FOR: HIGHWAY 848, ROCKINGHAM CO., NORTH CAROLINA

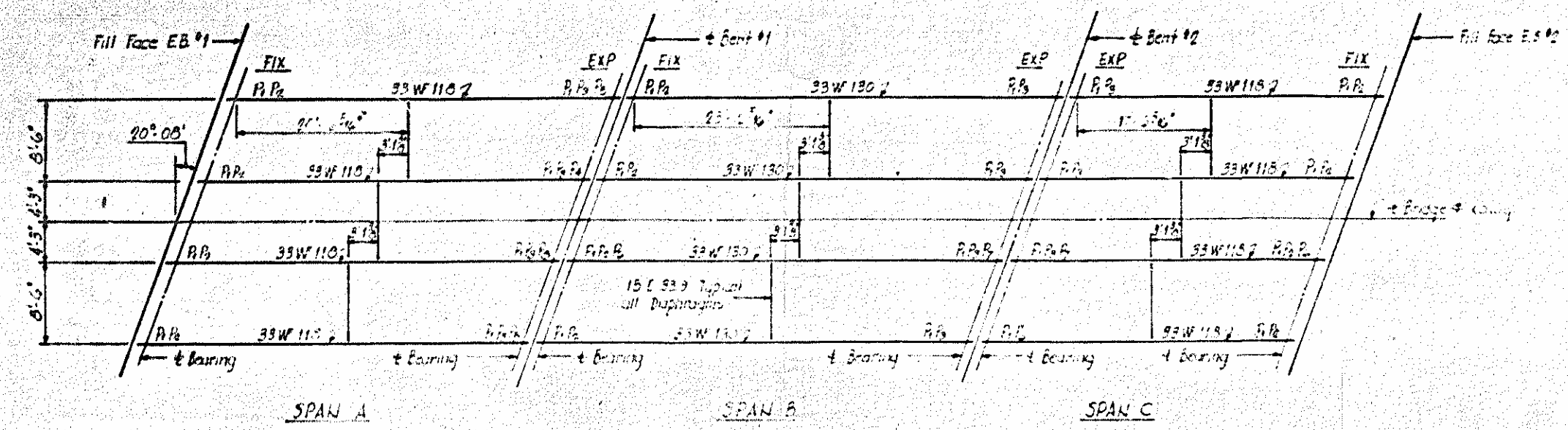


Total Amount Due	
Shops At Concrete Co Inc	\$10.00
Liquidating Steel Co	\$2.00
(Liquidating Steel Co Inc)	\$2.00

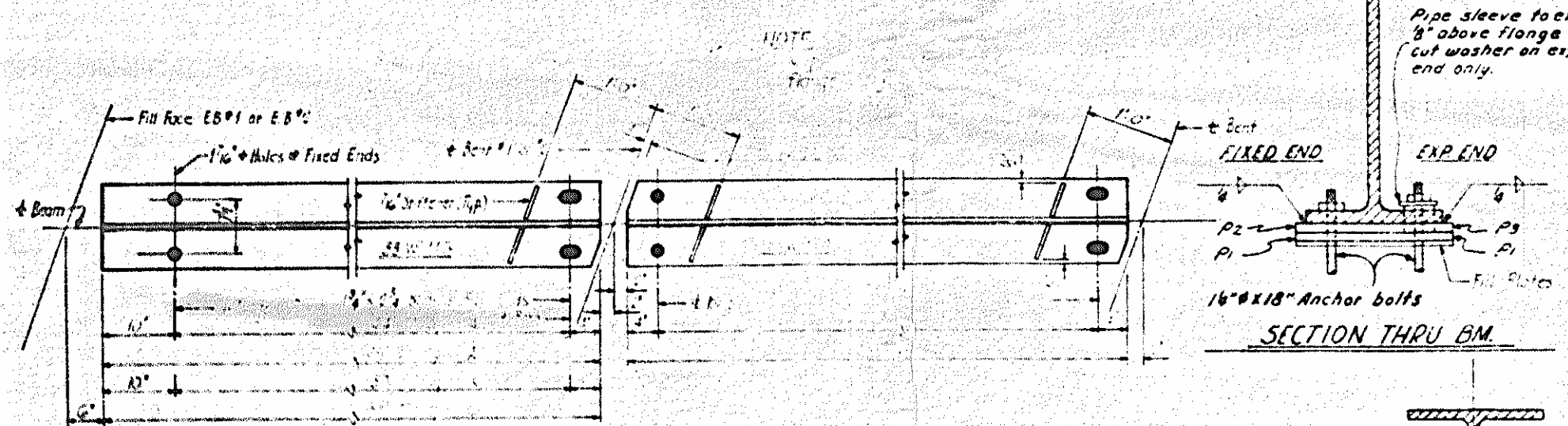
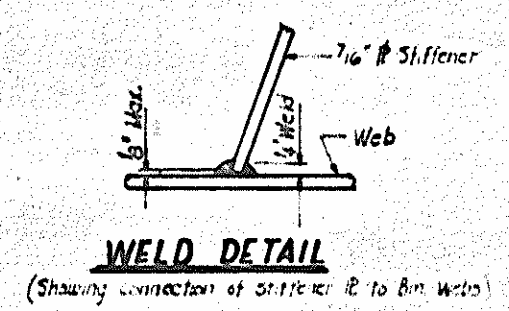
PROJECT NO. 8.1589202
ROCKINGHAM COUNTY
STATION: 677+53.2-L =
9+27.1-Y⁸

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH
SUPERSTRUCTURE
SPAN C

JUNE						1964	
REVIEWS						OTHER	
NO.	BY	DATE	NO.	BY	DATE	REMARKS	
1			2				
3			4				



STRUCTURAL STEEL FRAMING PLAN



STRUCTURAL STEEL - APPROX. LBS.

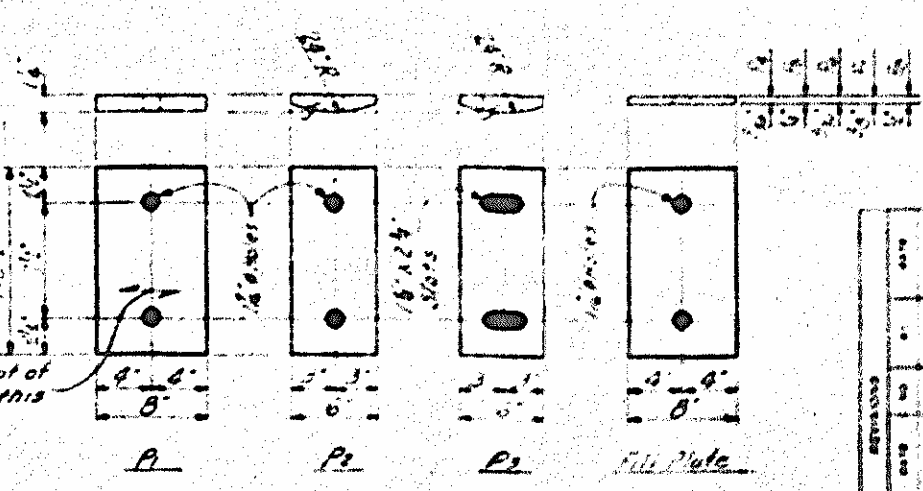
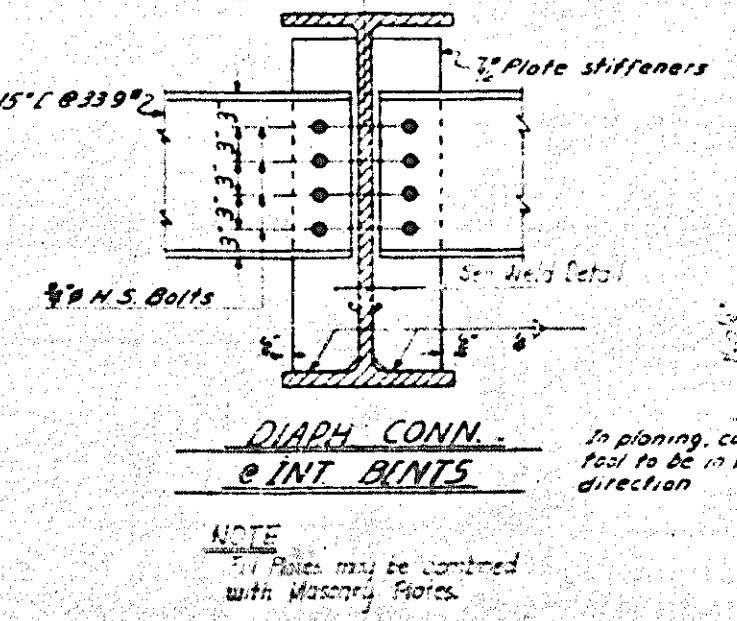
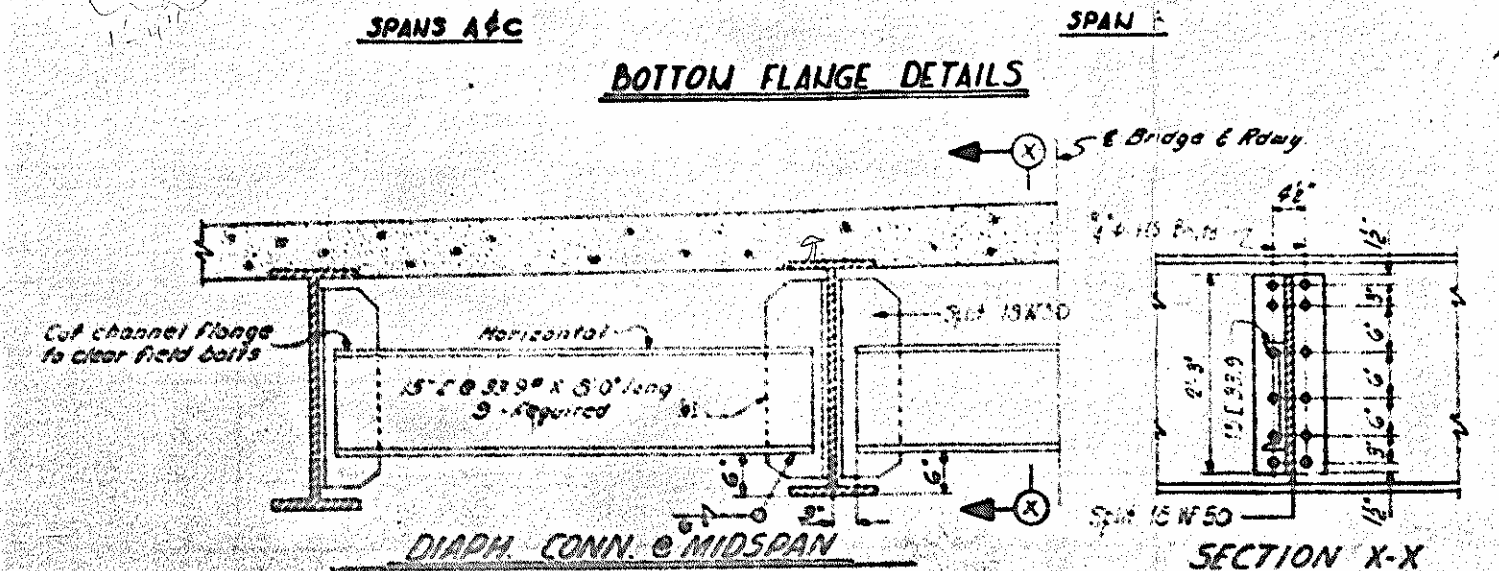
SPAN A	26,300
SPAN B	30,000
SPAN C	21,400
TOTAL	75,700

NOTE
Camber other than natural camber required for Span C. Turn natural camber up.

	SPAN A		SPAN B		SPAN C	
	Int.	Ext.	Int.	Ext.	Int.	Ext.
Deflection due to beam weight	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Deflection due to superimposed D.L.	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
TOTAL DEFLECTION	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
V.G. Ordinate	1"	1"	1 1/4"	1 1/4"	0	0
CAMBER BEAMS	1"	1"	1 1/4"	1 1/4"	0	0

NOTES
All beams shall be of ASTM A 36 grade structural steel. See 3-N Sheet.
Field connections of diaphragms to beams shall be bolted using 4" high strength bolts in accordance with the Specifications.

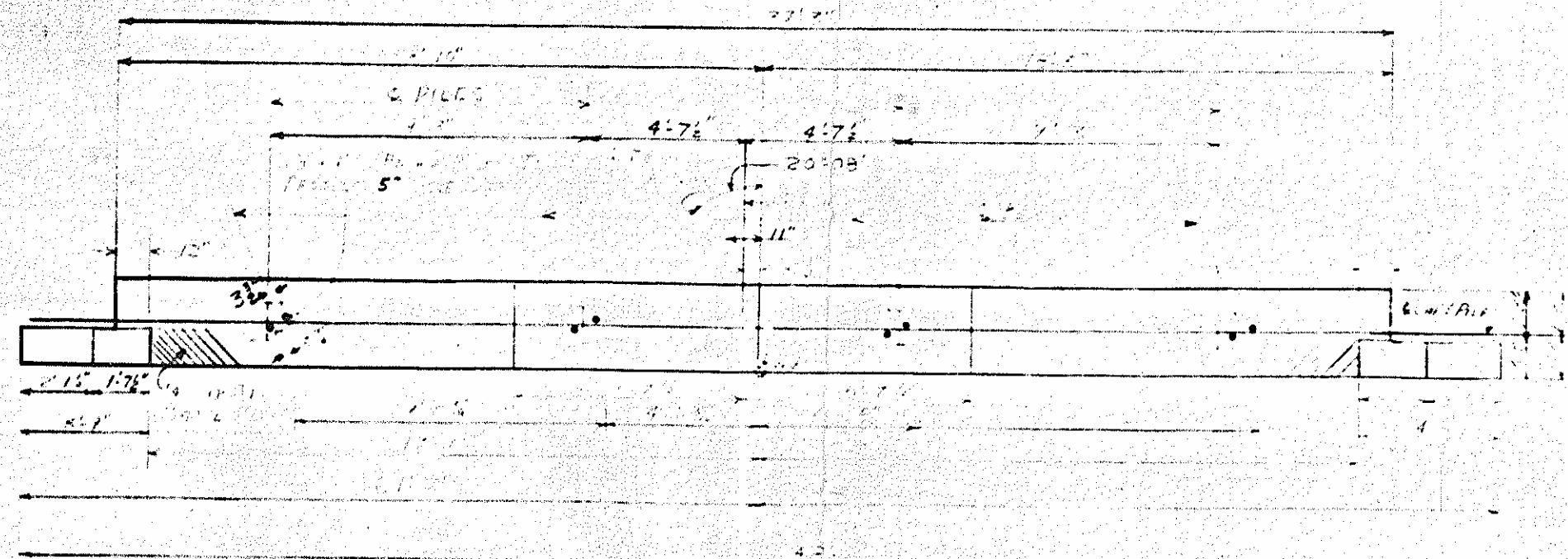
No web stiffeners are required on outside of exterior beams or at end bents. Stiffeners are to be parallel to ends of beams.



PROJECT NO. 0.1569202
ROCKINGHAM COUNTY
STATION: 677 + 532-L-
9 + 27.1-Y

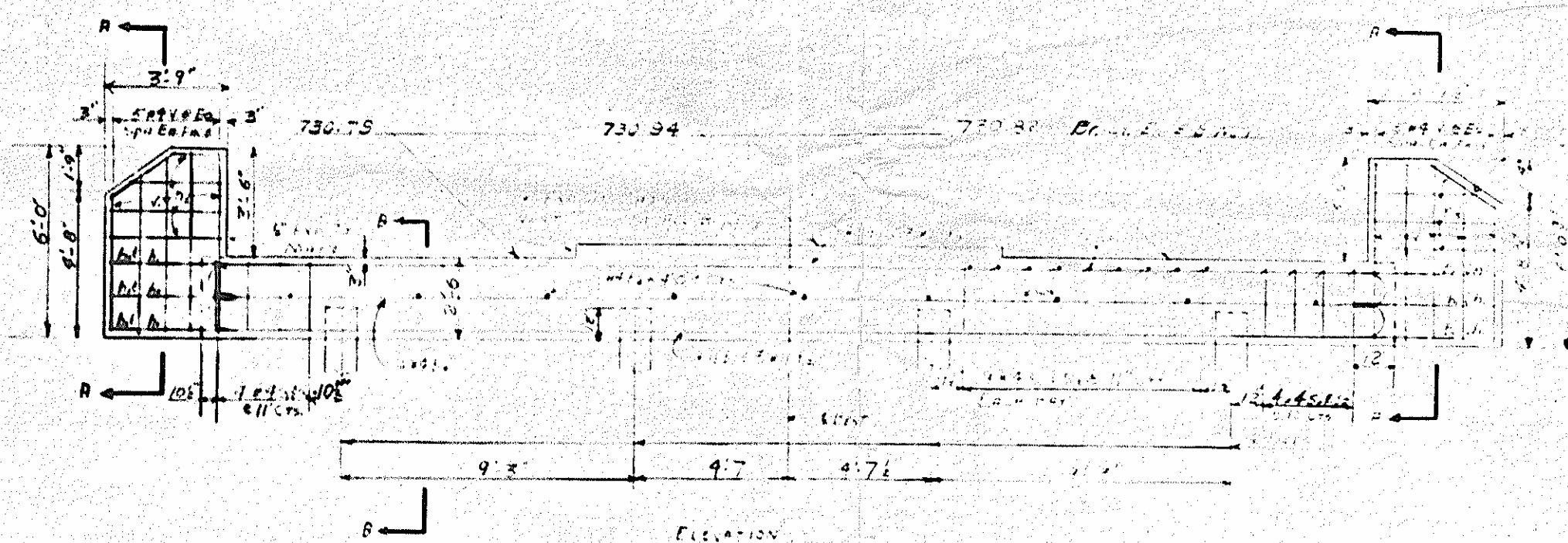
STATE OF NORTH CAROLINA STATE HIGHWAY COMMISSION	
STRUCTURAL STEEL DETAILS	
JUNE 1965	

DRAWN BY: G.C. PARRISH DATE: JUNE, 1965
CHECKED BY: G.C. PARRISH DATE: JULY, 1965

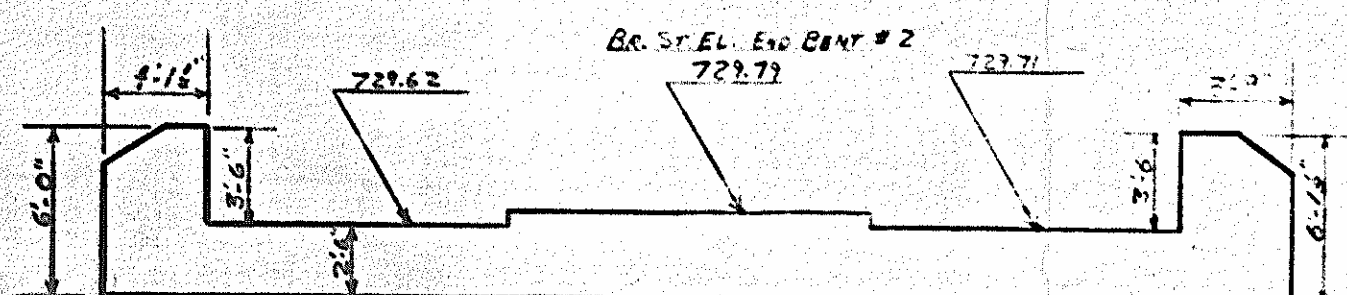


PLAN OF CAP FOR END BENT #1

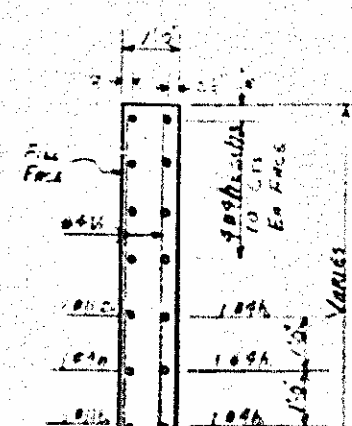
END BENT #2 SIMILAR BY INVERTION ABOUT E. OF BENT



ELEVATION

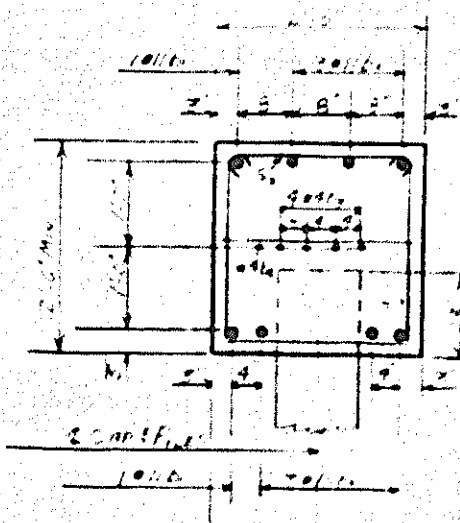
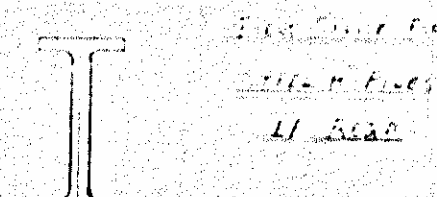
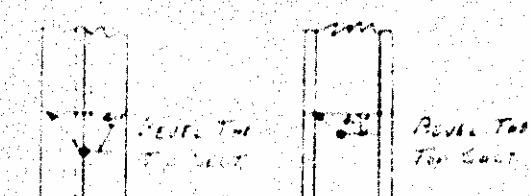
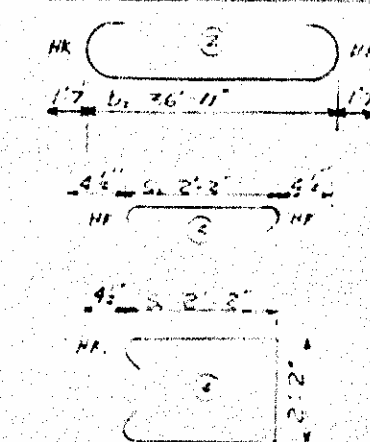


END BENT #2 ELEVATIONS



SECTION A-A

REINFORCEMENT
USE BAR DIMENSIONS AND D.T. OUT



NO.	DATE	BY	CHKD.
1	10/1/65	J.C.	J.C.

BILL OF MATERIAL

For 1 End Bent: 2 Reqs.

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	2	#11	STR.	22' 0"	220
B2	8	#11	STR.	42' 0"	1470
B3	8	#9	STR.	19' 0"	1080
B4	2	#9	STR.	22' 0"	120
B5	8	#9	STR.	1' 0"	20
B6	8	#9	STR.	3' 0"	120
B7	8	#9	STR.	3' 0"	120
B8	8	#9	STR.	3' 0"	120
B9	8	#9	STR.	3' 0"	120
B10	8	#9	STR.	3' 0"	120
B11	8	#9	STR.	3' 0"	120
B12	8	#9	STR.	3' 0"	120
B13	8	#9	STR.	3' 0"	120
B14	8	#9	STR.	3' 0"	120
B15	8	#9	STR.	3' 0"	120
B16	8	#9	STR.	3' 0"	120
B17	8	#9	STR.	3' 0"	120
B18	8	#9	STR.	3' 0"	120
B19	8	#9	STR.	3' 0"	120
B20	8	#9	STR.	3' 0"	120
B21	8	#9	STR.	3' 0"	120
B22	8	#9	STR.	3' 0"	120
B23	8	#9	STR.	3' 0"	120
B24	8	#9	STR.	3' 0"	120
B25	8	#9	STR.	3' 0"	120
B26	8	#9	STR.	3' 0"	120
B27	8	#9	STR.	3' 0"	120
B28	8	#9	STR.	3' 0"	120
B29	8	#9	STR.	3' 0"	120
B30	8	#9	STR.	3' 0"	120
B31	8	#9	STR.	3' 0"	120
B32	8	#9	STR.	3' 0"	120
B33	8	#9	STR.	3' 0"	120
B34	8	#9	STR.	3' 0"	120
B35	8	#9	STR.	3' 0"	120
B36	8	#9	STR.	3' 0"	120
B37	8	#9	STR.	3' 0"	120
B38	8	#9	STR.	3' 0"	120
B39	8	#9	STR.	3' 0"	120
B40	8	#9	STR.	3' 0"	120
B41	8	#9	STR.	3' 0"	120
B42	8	#9	STR.	3' 0"	120
B43	8	#9	STR.	3' 0"	120
B44	8	#9	STR.	3' 0"	120
B45	8	#9	STR.	3' 0"	120
B46	8	#9	STR.	3' 0"	120
B47	8	#9	STR.	3' 0"	120
B48	8	#9	STR.	3' 0"	120
B49	8	#9	STR.	3' 0"	120
B50	8	#9	STR.	3' 0"	120
B51	8	#9	STR.	3' 0"	120
B52	8	#9	STR.	3' 0"	120
B53	8	#9	STR.	3' 0"	120
B54	8	#9	STR.	3' 0"	120
B55	8	#9	STR.	3' 0"	120
B56	8	#9	STR.	3' 0"	120
B57	8	#9	STR.	3' 0"	120
B58	8	#9	STR.	3' 0"	120
B59	8	#9	STR.	3' 0"	120
B60	8	#9	STR.	3' 0"	120
B61	8	#9	STR.	3' 0"	120
B62	8	#9	STR.	3' 0"	120
B63	8	#9	STR.	3' 0"	120
B64	8	#9	STR.	3' 0"	120
B65	8	#9	STR.	3' 0"	120
B66	8	#9	STR.	3' 0"	120
B67	8	#9	STR.	3' 0"	120
B68	8	#9	STR.	3' 0"	120
B69	8	#9	STR.	3' 0"	120
B70	8	#9	STR.	3' 0"	120
B71	8	#9	STR.	3' 0"	120
B72	8	#9	STR.	3' 0"	120
B73	8	#9	STR.	3' 0"	120
B74	8	#9	STR.	3' 0"	120
B75	8	#9	STR.	3' 0"	120
B76	8	#9	STR.	3' 0"	120
B77	8	#9	STR.	3' 0"	120
B78	8	#9	STR.	3' 0"	120
B79	8	#9	STR.	3' 0"	120
B80	8	#9	STR.	3' 0"	120
B81	8	#9	STR.	3' 0"	120
B82	8	#9	STR.	3' 0"	120
B83	8	#9	STR.	3' 0"	120
B84	8	#9	STR.	3' 0"	120
B85	8	#9	STR.	3' 0"	120
B86	8	#9	STR.	3' 0"	120
B87	8	#9	STR.	3' 0"	120
B88	8	#9	STR.	3' 0"	120
B89	8	#9	STR.	3' 0"	120
B90	8	#9	STR.	3' 0"	120
B91	8	#9	STR.	3' 0"	120
B92	8	#9	STR.	3' 0"	120
B93	8	#9	STR.	3' 0"	120
B94	8	#9	STR.	3' 0"	120
B95	8	#9	STR.	3' 0"	120
B96	8	#9	STR.	3' 0"	120
B97	8	#9	STR.	3' 0"	120
B98	8	#9	STR.	3' 0"	120
B99	8	#9	STR.	3' 0"	120
B100	8	#9	STR.	3' 0"	120

REIN. STEEL LB: 2220
CLASS 'A' CONCR. CY: 10.2
12.5% = 1.66 PILES NO. 9
LIN. FT. 1700
E. BENT #2
REIN. STEEL LB: 2220
CLASS 'A' CONCR. CY: 10.2
12.5% STEEL PILES NO. 9
LIN. FT. 1700

PROJECT NO. 2-1543-02

ROCKINGHAM COUNTY

STATION: 677+53.2-678+27.1 V2

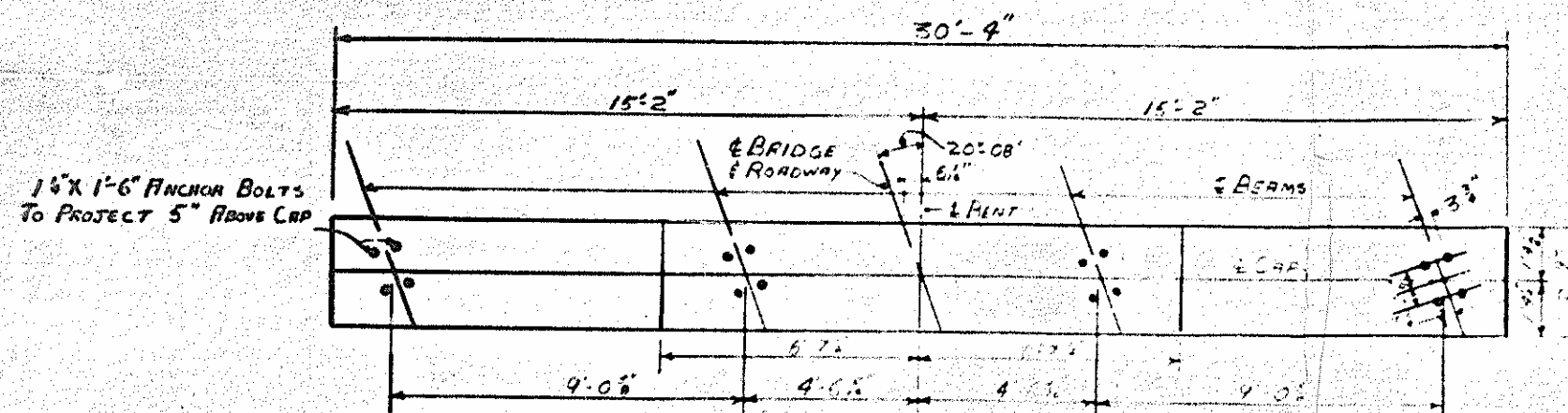
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION

SUBSTRUCTURE
END BENT NO. 1 & 2

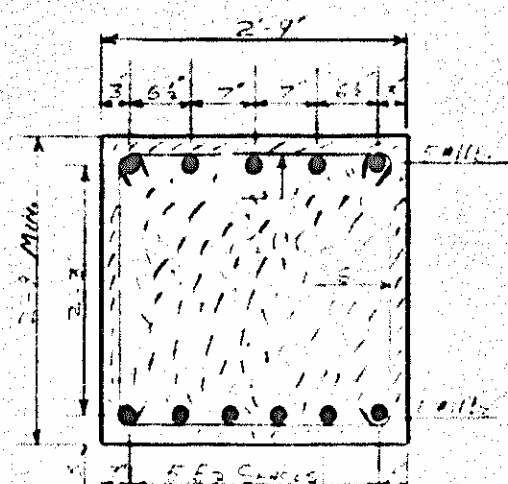
JUNE, 1965

NO.	DATE	BY	CHKD.
1	10/1/65	J.C.	J.C.

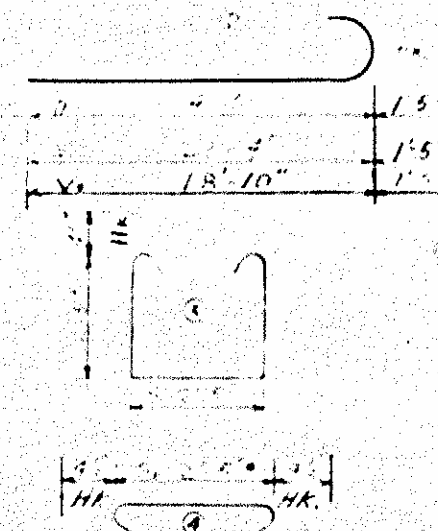
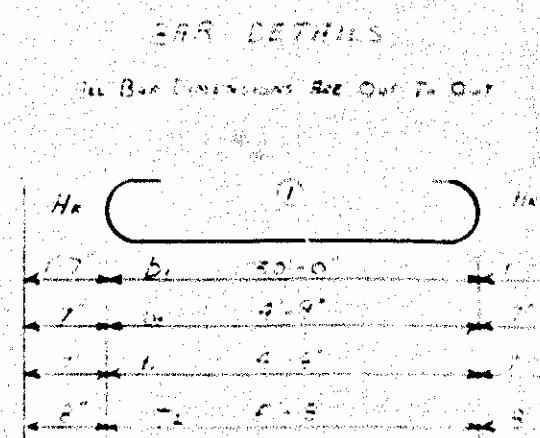
DESIGNED BY: J.C. JONES
CHECKED BY: J.C. JONES
DATE: JUNE 1965



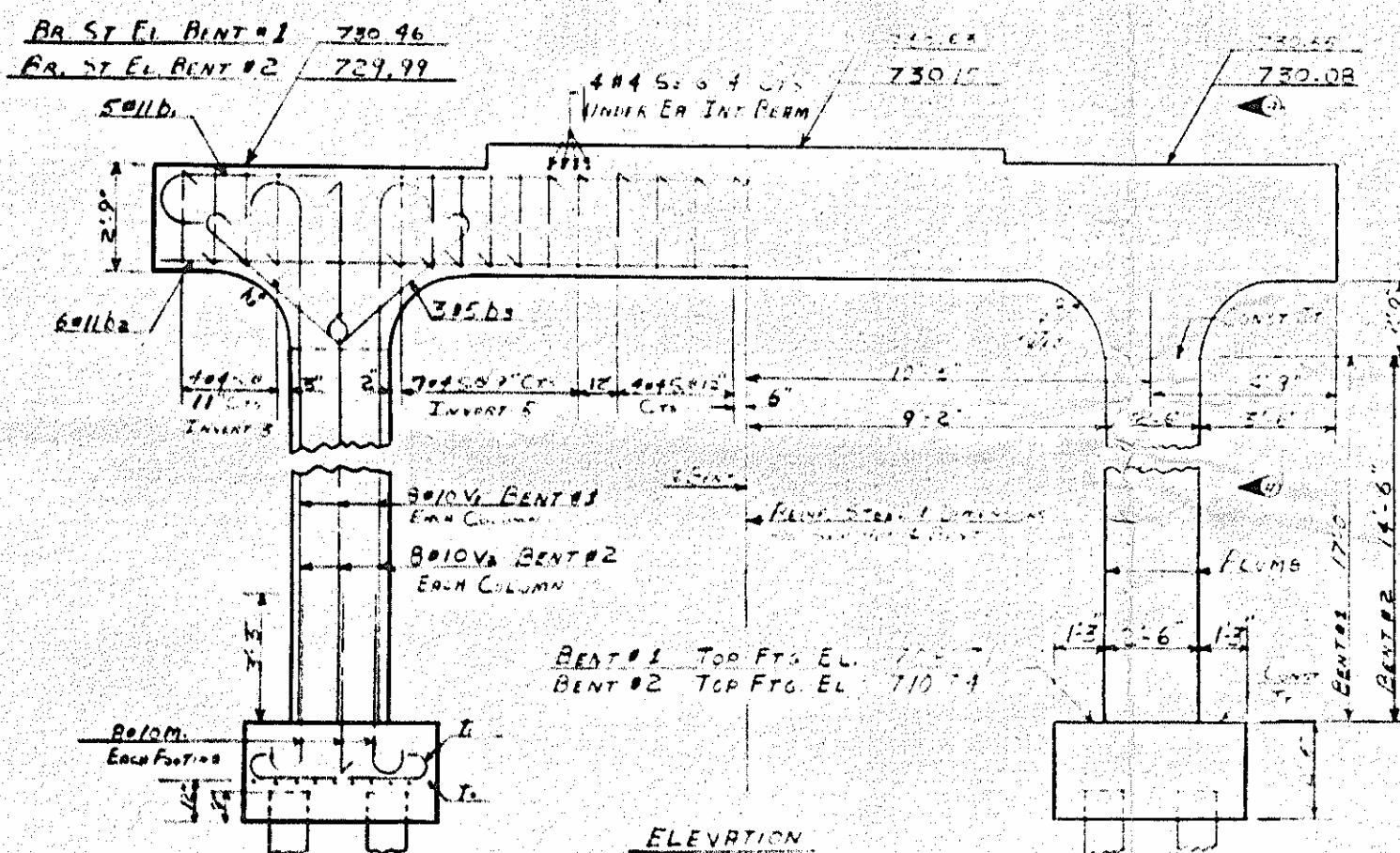
PLAN OF CAP



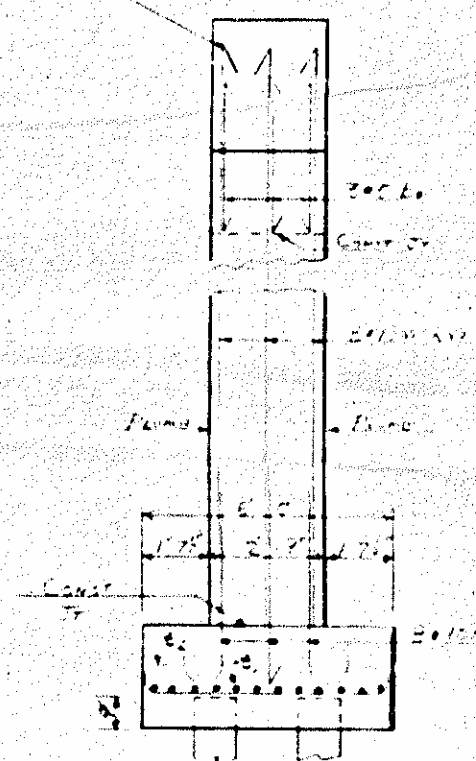
SECTION VIEW



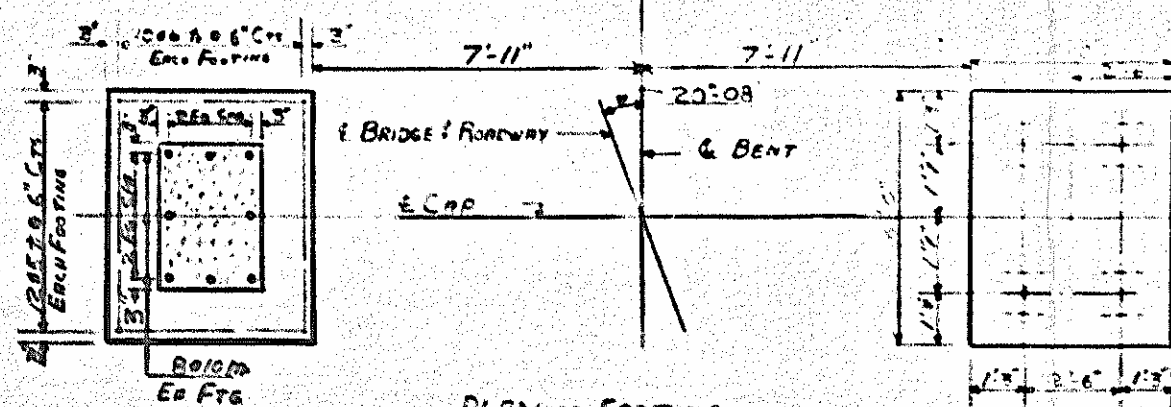
BENT #1
BENT #2



ELEVATION



END ELEVATION



PLAN OF FOOTINGS

DIVISION	FEET	YARDS
1. FOOTINGS	5.6	5.6
2. COLUMNS	8.7	2.4
3. CAP	10.2	10.2
TOTAL	24.5	23.2

BILL OF MATERIAL

FOR BENT #2 AND #3

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#11	1	22'-2"	85.1
B2	6	#11	STR	20'-2"	75.6
B3	12	#6	1	5'-11"	7.4
B4	16	#10	2	6'-2"	9.2
B5	20	#4	2	8'-0"	1.6
B6	8	#4	4	3'-2"	1.2
B7	24	#6	1	5'-11"	19.6
B8	20	#6	1	2'-0"	21.0
B9	16	#10	2	22'-2"	15.6
B10	16	#10	2	20'-3"	13.2

REIN. STEEL, L.D. 4935
 CLASS II CONCRETE, L.D. 26.5
 12.53 STEEL PILES, L.D. 8
 L.D. 26.5
 REIN. STEEL, L.D. 4263
 CLASS II CON. L.D. 23.2
 12.53 STEEL PILES, L.D. 8
 L.D. 26.5

PROJECT NO. 2-1529-202
 ROCKINGHAM COUNTY
 STATION: 677+53.2-1:
 9+27.1V2

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 SUBSTRUCTURE
 INTERIOR BENT NO. 112

NO.	BY	DATE	NO.	BY	DATE
1			2		
3			4		