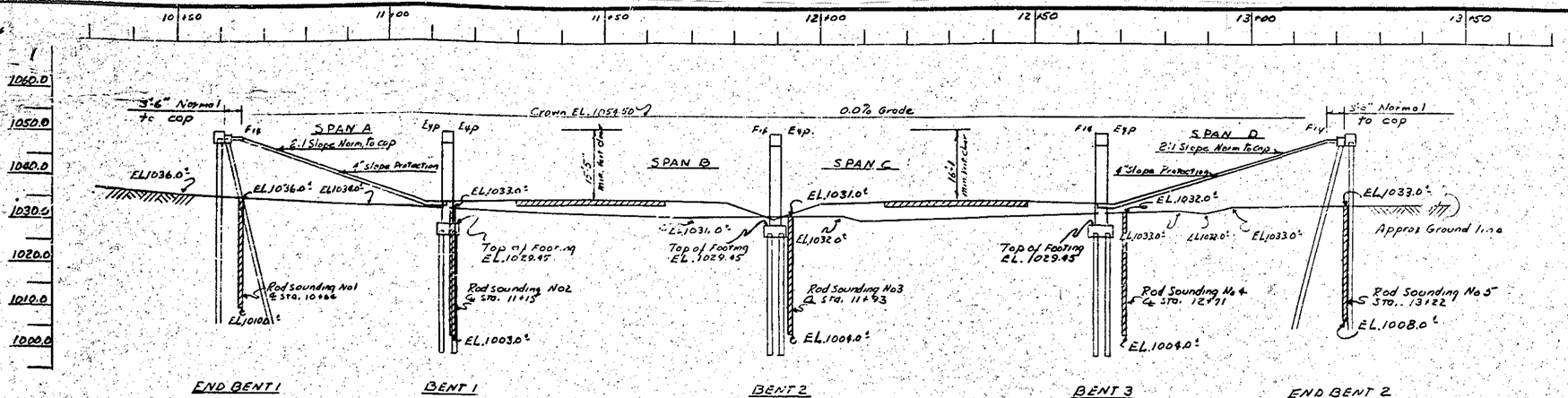
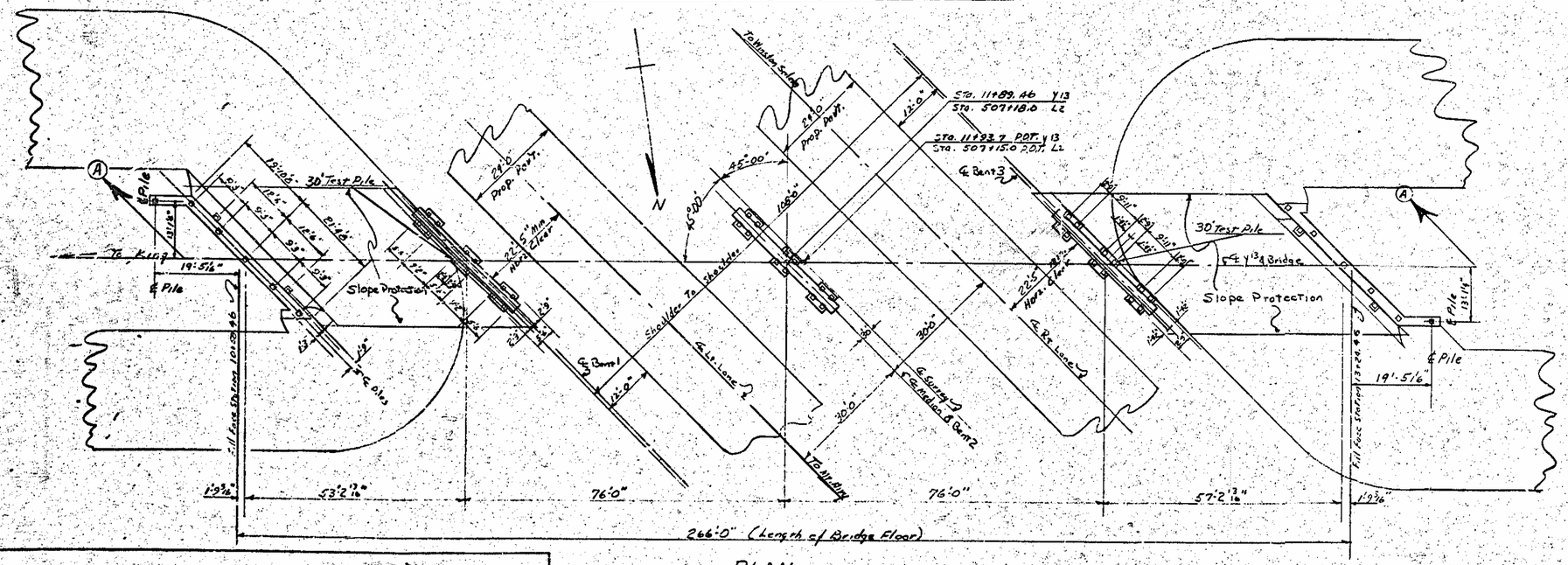
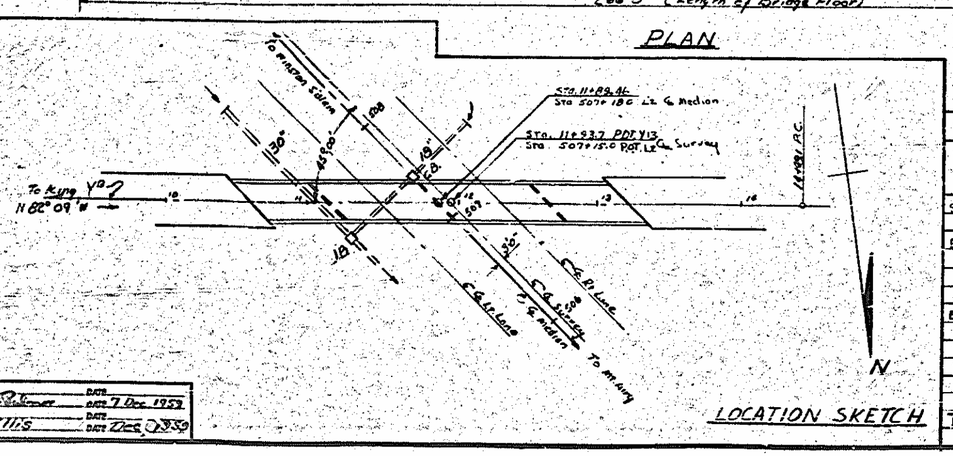
FED. ROAD DIV. NO.	STATE	PROJECT NO.
7	N. C.	8.17542
F.A. Proj. F. 121 (5)		
SHEET 165	TOTAL 281	



ELEVATION ALONG ℄ of BRIDGE
END BENTS & BENTS ALONG SECTION A-A



PLAN



LOCATION SKETCH

NOTES

Assumed Live Load H 15 (44)

For other design data and general Notes see sheet S.N.

The contractor will be required to drive two 12"D prestressed concrete test piles in place at Bents 1&3 as shown on PLAN The test piles shall be paid for as linear feet of 12"D prestressed concrete piles. The order length for all 12"D prestressed concrete piles will be given after the test piles have been driven.

Piles for End Bents 1&2 and Bents 1-2&3 to be driven to a minimum bearing capacity of 27 tons each.

End Bent piles to be driven through roadway fill.

The contractor will be required to excavate to El. 1040.0 at End Bent 1 & El. 1038.0 at End Bent 2 before driving piles. See sheet S.N.

Work is not to be started on Bents 1-2&3 until the roadway fill on line "L" has been placed by the roadway contractor.

Unclassified structure excavation for Bents 1-2&3 To be measured from the surface of the roadway fill.

Bench Marks:
"53 Nail in base 3" oak 100' Lt. Sta. 504+35 L2 El. 1025.87
"54 Nail in power pole 70' Rt. Sta. 509+40 L2 El. 1042.58

Note: This St. Built as per plan except EB#1- See x-Section Sheet # 247.

C.K. Smith

Reel # 751
Pos # 3

Stokes 10

TOTAL BILL OF MATERIAL

	CLASS "A" Concrete C.Y.	Reinforcing Steel Lbs.	Structural Steel Approx. Lbs.	12"D Prest. Conc. Piles No.	12"D Prest. Conc. Piles L.F.	Unclass Str. Excavation C.Y.	4" Concrete Slope Protection Sq. Yds.	4" Concrete 13 Blox Slope Protection Sq. Yds.	12" Prestr. Conc. Pile Cut Off	+10' for Cut Off
Superstructure	207.2	42.766	183,500							
End Bent 1	15.3 ~~38~~	3162 ~~3146~~		8	269'-7½"	15.97	211.94	2 ~~5~~	24'-4½"	6'-0"
Bent 1	29.4	4807		12	[illegible]	[illegible]	[illegible]		0'-2.4"	0.10
Bent 2	29.4	4807		12	[illegible]	[illegible]	[illegible]		0	0
Bent 3	29.4	4807		12	[illegible]	[illegible]	227.20		0'-6.2"	0.10
End Bent 2	15.3	3162		8	[illegible]	15.97	~~235~~	2 ~~5~~	0	0
TOTAL	326.0 ~~328.0~~	69535 ~~69538~~	183,500	52	1121'-1½" +650 ~~+750~~	151.97	439.14 ~~+50~~	4 ~~10~~	22-10½" ~~24'-4½"~~	8.0 ~~6.0~~

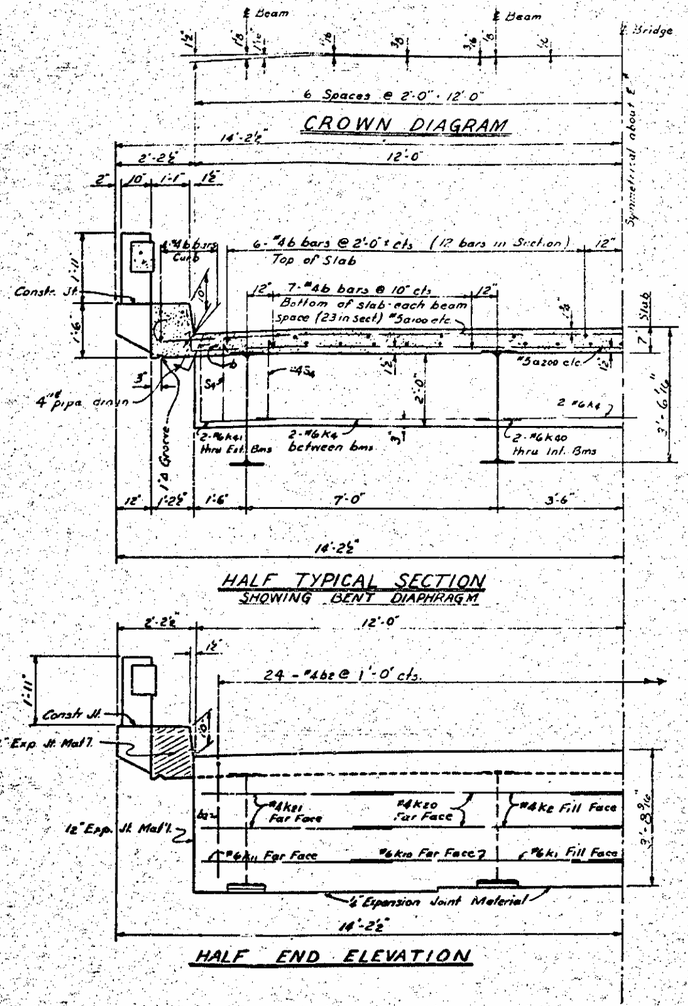
DESIGNED BY
DRAWN BY
TRACED BY
CHECKED BY R.H. Ellis
DATE DATE 7 Dec 1959
DATE
DATE Dec 1959

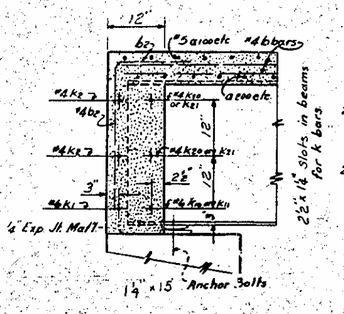
PROJECT NO. 8.17542
SURRY-STOKES COUNTY
STATION: 507+150 L2 = 11+93.7 Y13

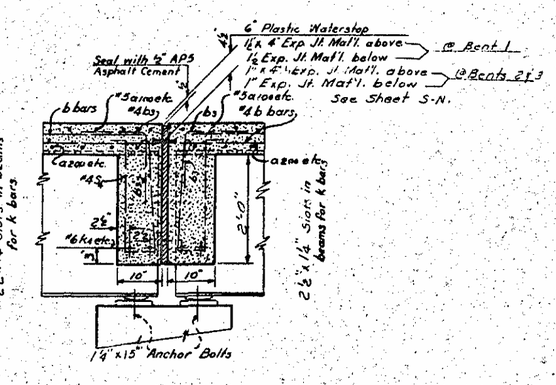
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH
GENERAL DRAWING
BRIDGE OVER PROJECT
ON MEADOW BROOK DRIVE
BETWEEN
KING & TRINITY CHURCH ROAD
DEC. 1959

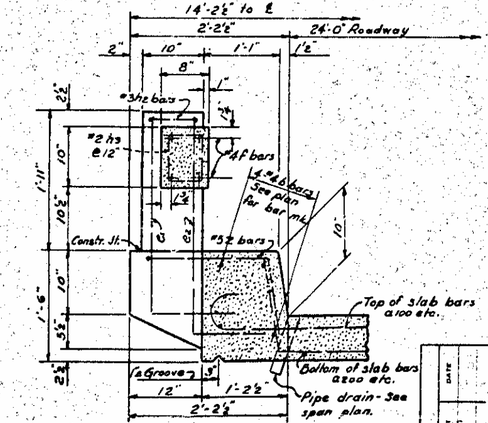
SUBMITTED BY [signature] ASSISTANT CHIEF ENGINEER - BRIDGES
APPROVED BY C.W. Lee CHIEF ENGINEER DATE 5/20/60

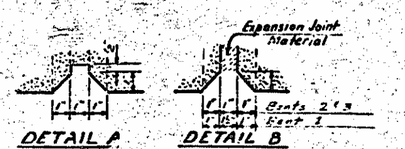
SHEET NO. S-160
TOTAL SHEETS 172

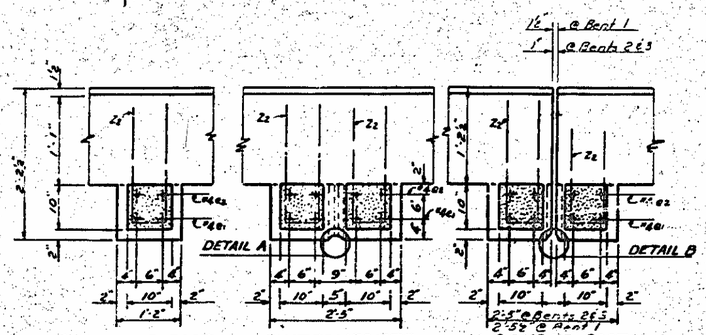












SPECIAL	ASSEMBLED BY: E. F. Erdman	DATE: REV. 1959
	CHECKED BY: R. H. Ellis	DATE: 1959
STANDARD	DESIGNED BY	DATE
	DRAWN BY: R. J. Rogers	DATE: Oct. 1959
	TRACED BY	DATE
	CHECKED BY: R. H. Ellis	DATE: Dec, 1959

3	N. C.	B-17542

F. A. Proj. F-121 (5)

SHEET 166 TOTAL 281

NOTE

For bars indicated and no bar mark shown, see Concrete Plan for the different spans.

PROJECT NO. B-17542

SURRY - STOKES COUNTY

STATION: 507 + 15.0 P.O.T. -L-

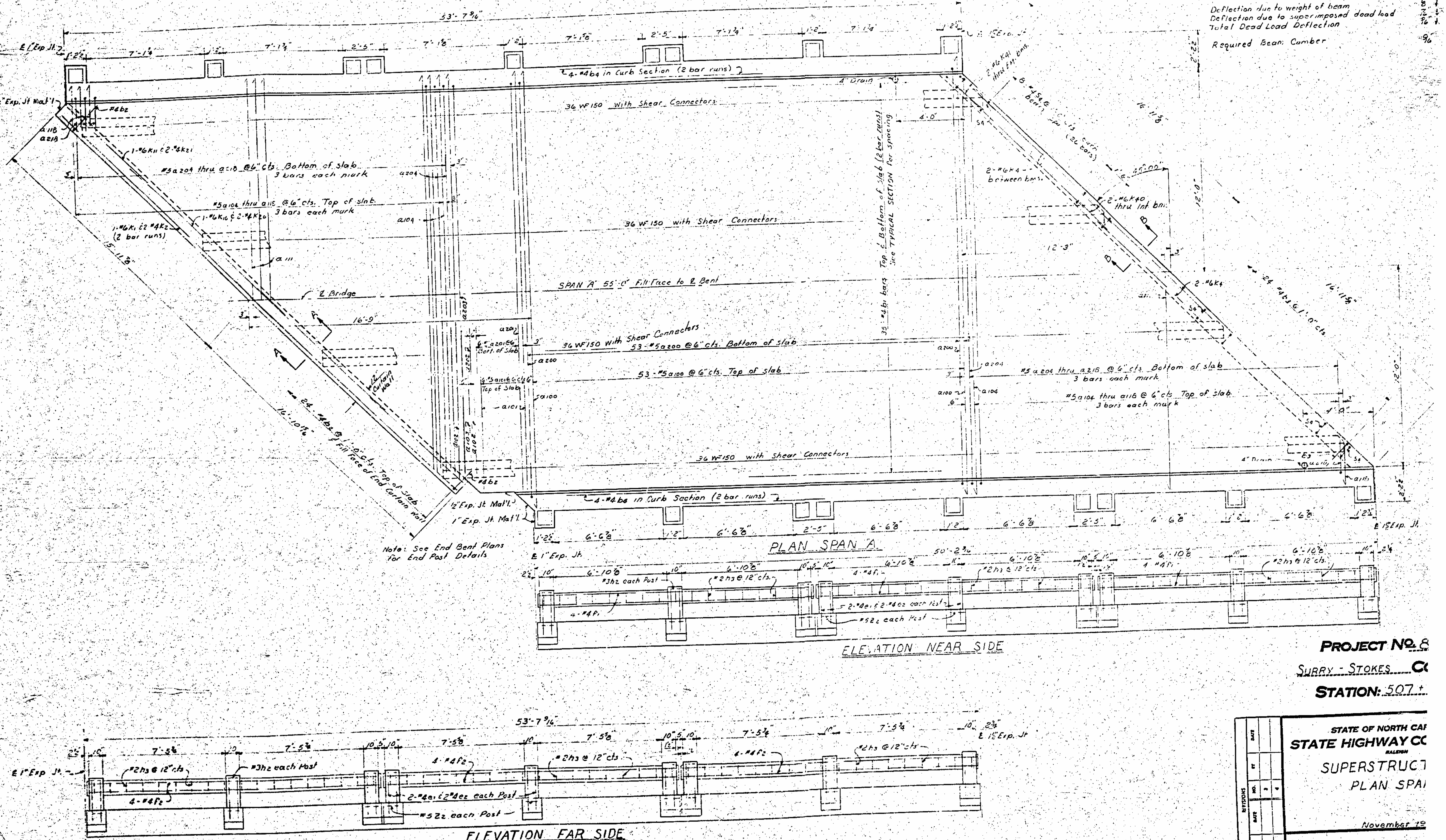
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

SUPERSTRUCTURE

TYPICAL CONCRETE SECTIONS
STEEL BEAMS - CONCRETE SLAB
24' ROADWAY ~ 12" CURBS
NOVEMBER 1959

REVISIONS: NO. | BY | DATE

SHEET NO. 15
TOTAL SHEETS 172



PROJECT No. 8

SURRY - STOKES CO

STATION: 507+

STATE OF NORTH CAROLINA
STATE HIGHWAY CO
RALEIGH
SUPERSTRUCT
PLAN SPA

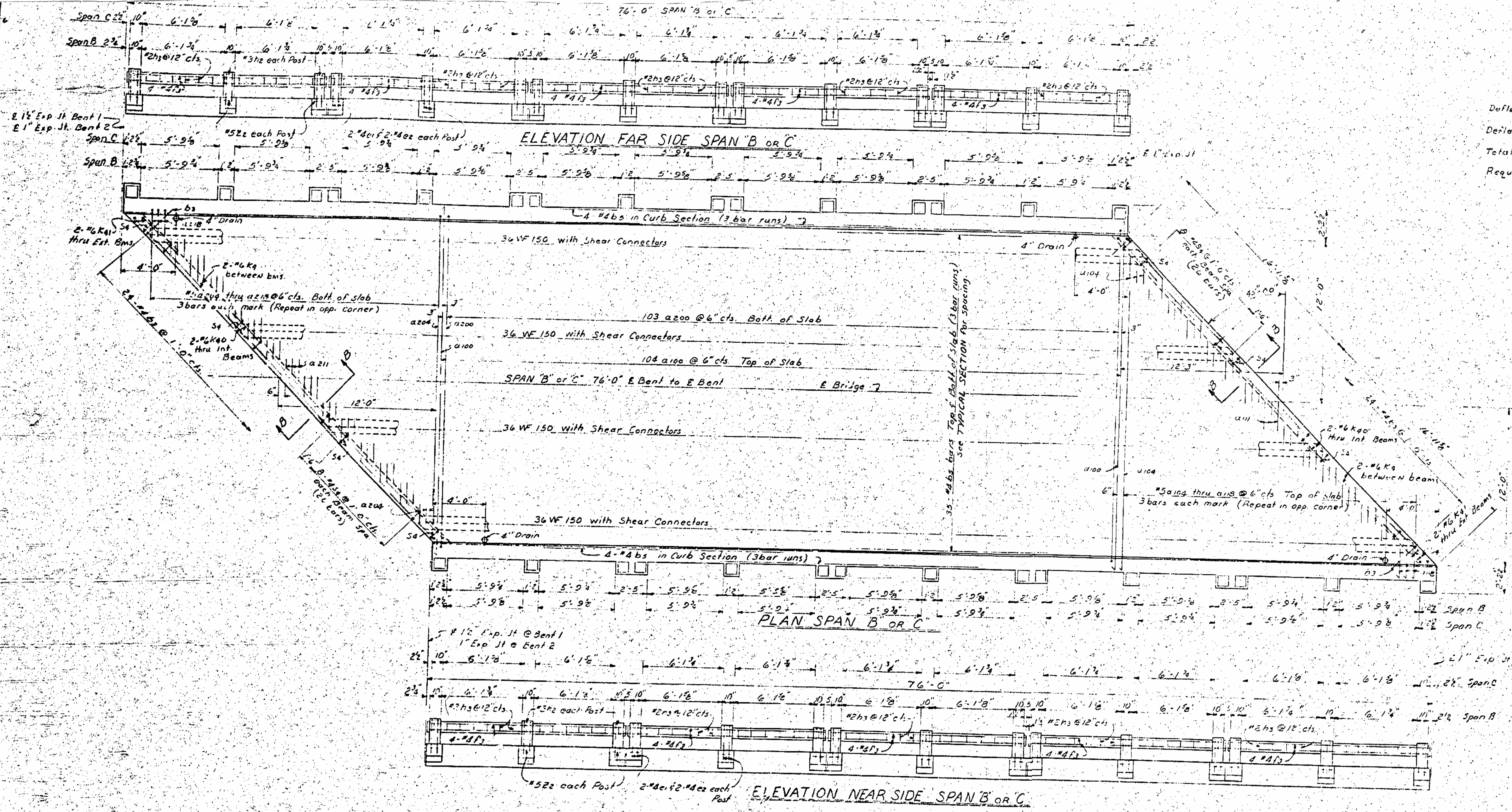
November 19

DESIGNED BY	DATE
DRAWN BY	DATE Nov 1959
TRACED BY	DATE Nov 1959
CHECKED BY	DATE

DIST NO.	STATE
3	N. C.

F.A. Proj.-F-121

SHEET 168



NOTE

	Int. Bm.
Deflection due to weight of Beam	7/16"
Deflection due to superimposed dead load	1 1/2"
Total Dead Load Deflection	1 15/16"
Required Beam Camber	1 15/16"

PROJECT No. 8.1754

SURRY - STOKES COUNTY

STATION: 507+15.0 -L-

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISS
RALEIGH

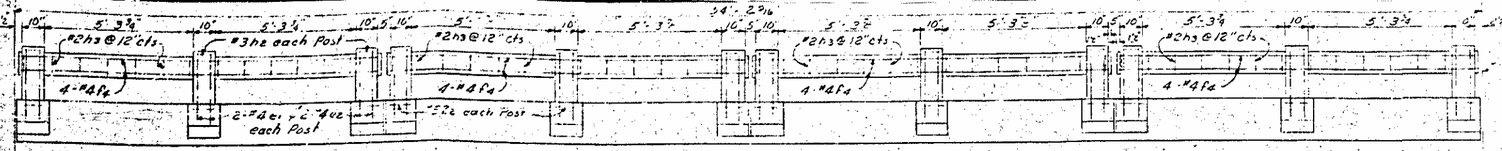
SUPERSTRUCTURE
SPAN-B OR SPAN-C

November 1959

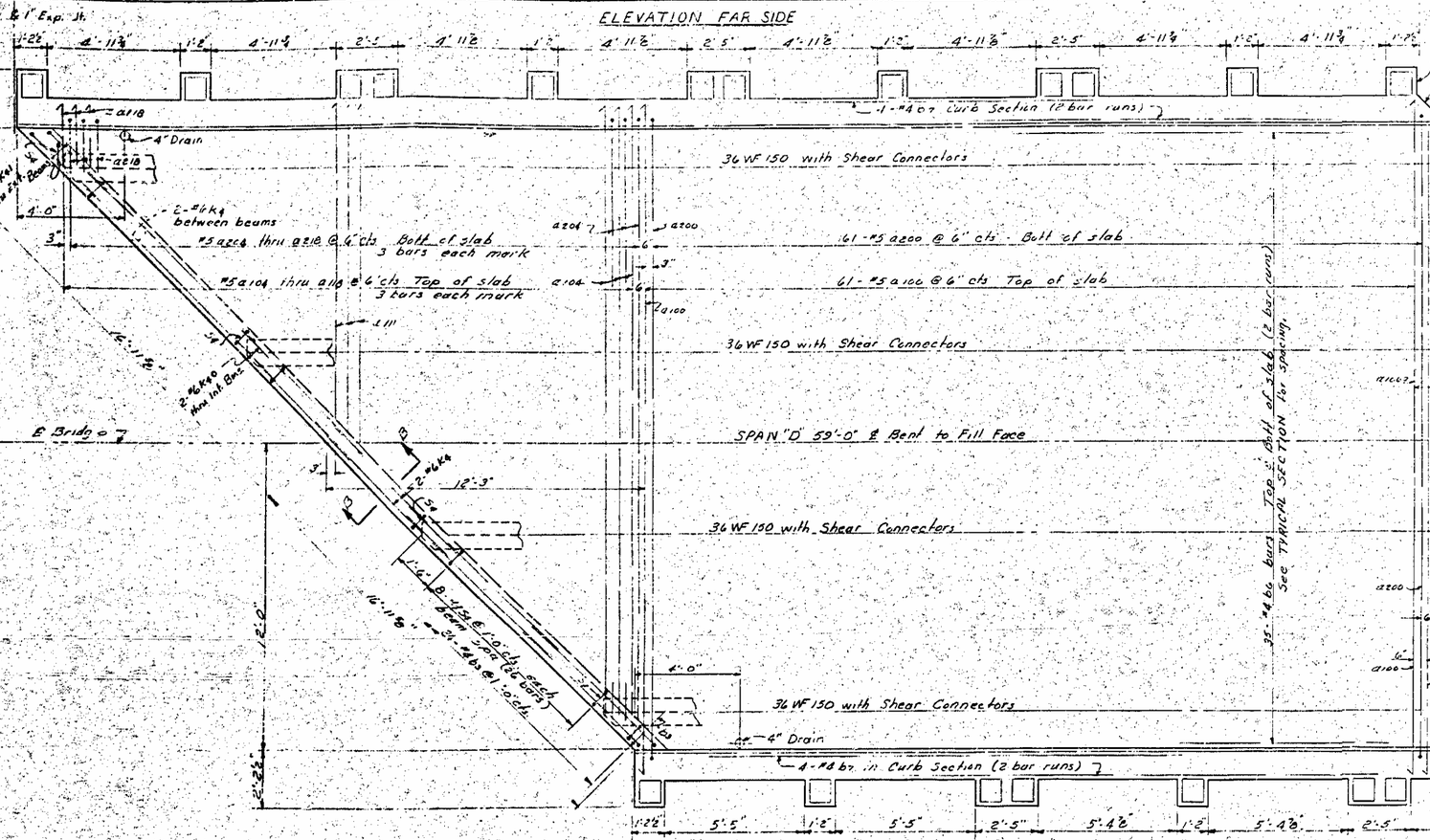
DESIGNED BY ... DATE
DRAWN BY ... DATE ... 1959
TRACED BY ... DATE ... 1959
CHECKED BY ... DATE Dec. 1959

REVISIONS

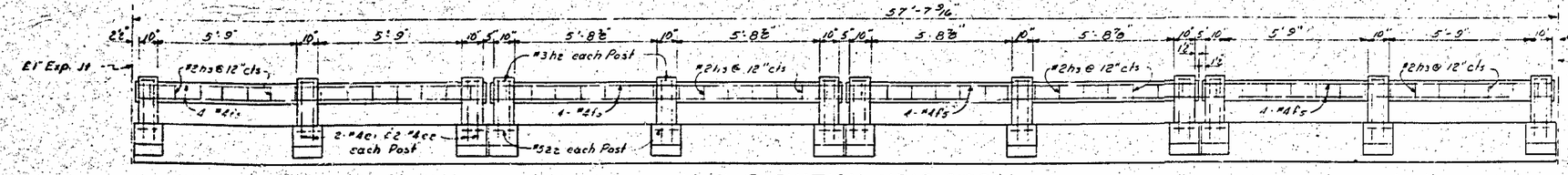
DIST NO.		
3	N.C.	8.17562
F.A. Proj. F-121(5)		
SHEET 168	TOTAL 281	



ELEVATION FAR SIDE



PLAN SPAN "D"



ELEVATION NEAR SIDE

NOTE

	Int Bms	Ext Bms
Deflection due to weight of Beam	1/8" ↓	1/8" ↓
Deflection due to Superimposed dead load	5/8" ↓	3/4" ↓
Total dead Load Deflection	3/4" ↓	7/8" ↓
Required Beam Camber	3/4"	7/8"

PROJECT NO. 8.17542

SURRY - STOKES COUNTY

STATION: 507+15.0 -12-

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

SUPERSTRUCTURE
PLAN SPAN "D"

November 1959

DESIGNED BY	DATE
DRAWN BY H. J. Rogers	DATE Jan. 1959
TRACED BY	DATE
CHECKED BY W. H. Ellis	DATE Oct. 1959

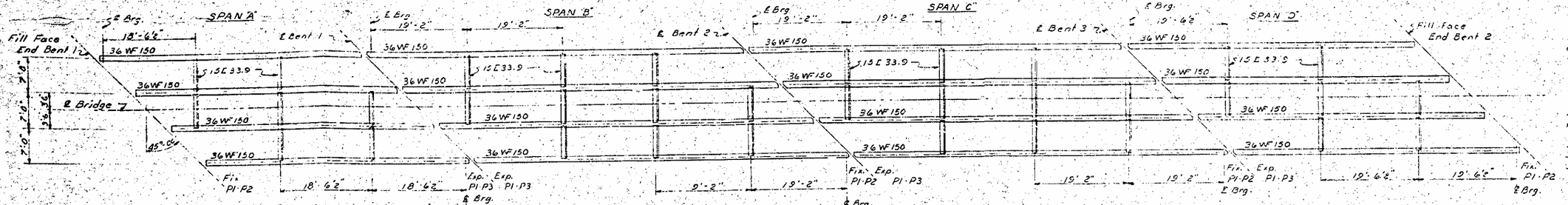
REVISIONS: NO. | BY | DATE

SHEET NO. S-164
TOTAL SHEETS 172

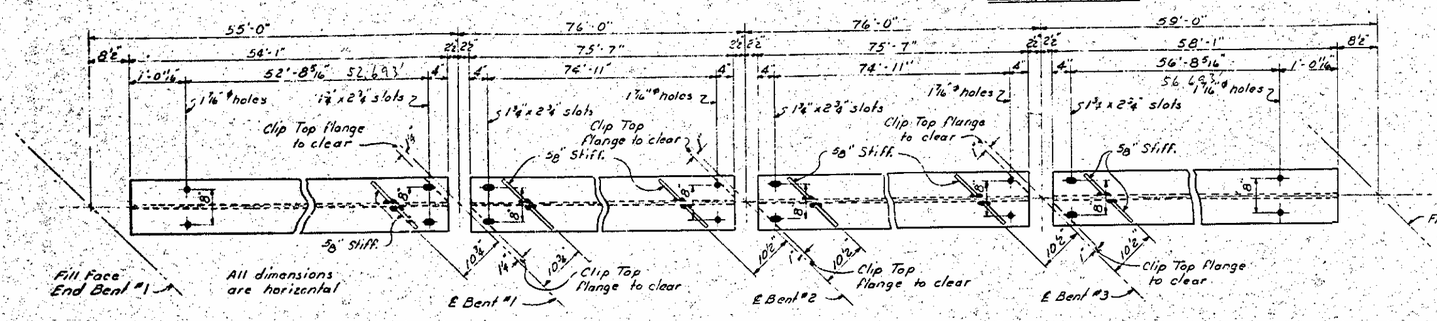
SHEET 120 TOTAL 281

DIST NO.		
3	N. C.	8.17

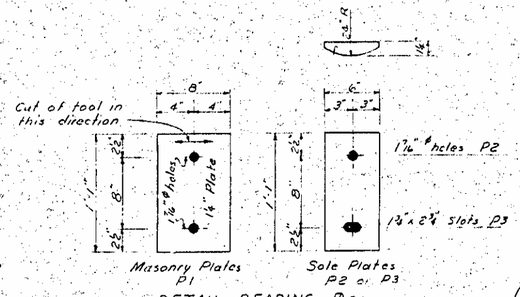
F.A Proj. - F-121(5)



FRAMING PLAN

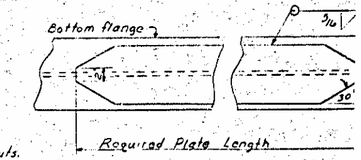


ANCHOR BOLT HOLES — BEAM LENGTHS — STIFFENERS



DETAIL BEARING PLS

Required:
P1 32 - 8" x 1'-1" x 1'-1" Plane-finish to 14"
P2 16 - 6" x 1'-1" x 1'-1" As detailed
P3 16 - 6" x 1'-1" x 1'-1" As detailed
64 - 1½" x 15" Anchor Bolts with hex nuts.



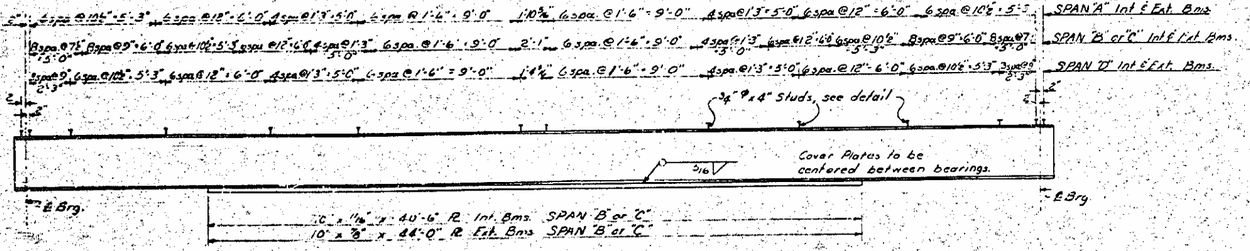
COVER PLATE

NOTE

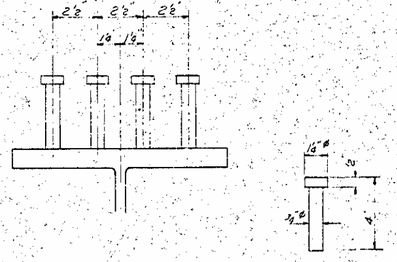
At the Contractors option, shop con of 3½ x 3½ x ⅜ Ls to channels may be welded or riveted using ¾" rivets. connections of diaphragms to bea shall be bolted using ¾" high st. bolts in accordance with the Specifi

All beams to be shop cambere follows:

	Int. Bms.	E
SPAN A	¾"	
SPAN B & C	1 7/16"	
SPAN D	¾"	

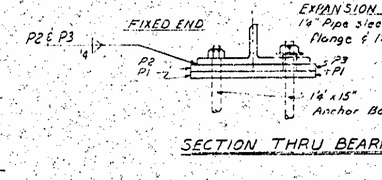


SHEAR STUDS & COVER PLATE LENGTHS

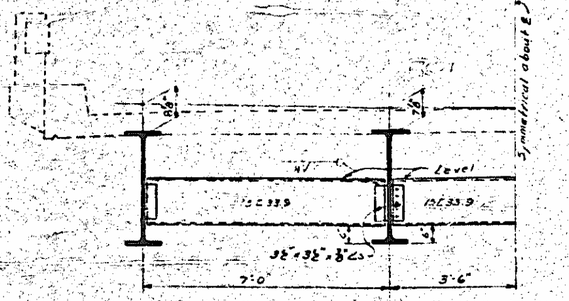


DETAIL SHEAR STUDS

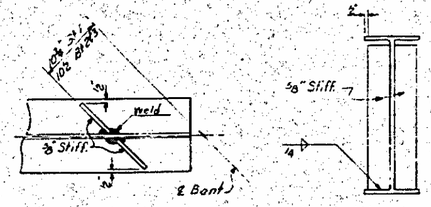
At the Contractors option 3L6 Shear connectors may be used in lieu of the stud shear connectors. See Special Provisions.



SECTION THRU BEARING

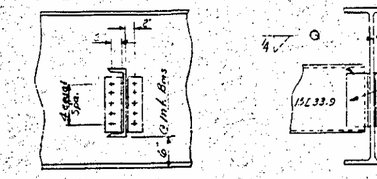


TYPICAL HALF SECTION

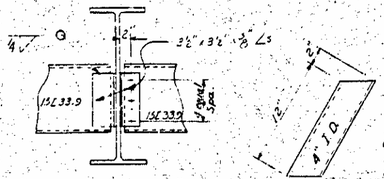


STIFFENER DETAIL

Omit Stiffeners on outside exterior beams and at End Bents. Stiffeners to be vertical and parallel to interior curtain wall.



DIAPHRAGM CONNECTION



DRAIN DETAIL

No. Required - 12.

Drains to be std wt galv. steel pipe. Drains to be painted with two field coats of Aluminum paint.

PROJECT NO. 8.17

SURRY - STOKES COU

STATION: 507 + 15.9

REVISIONS	NO.	BY	DATE
	1		
	2		
	3		
	4		
	5		
	6		

STATE OF NORTH CAROLI

STATE HIGHWAY COMI

RALEIGH

SUPERSTRUCTURE

STRUCTURAL STEE

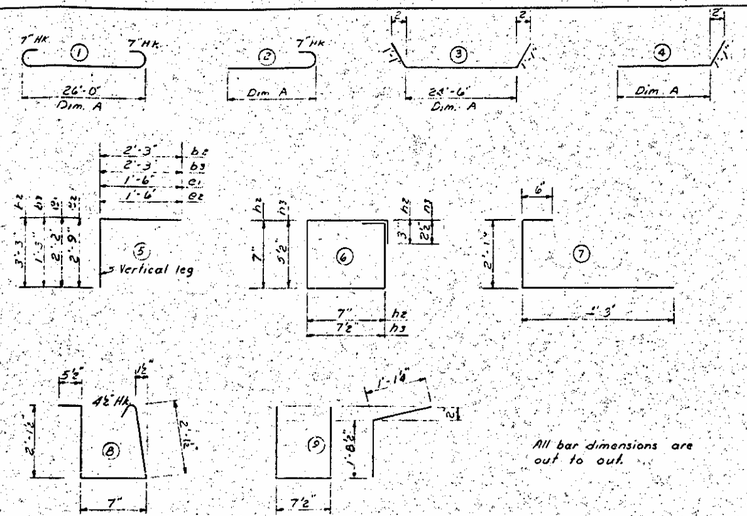
December 1959

DESIGNED BY		DATE
DRAWN BY	H. J. Rogers	DATE Dec. 1959
TRACED BY	H. J. Rogers	DATE Dec. 1959
CHECKED BY		DATE

PROJECT NO.	STATE	
3	N.C.	8.17542

F.A. Proj. - F-121 (5)

SHEET 170 TOTAL 281



BAR TYPES

BAR SCHEDULE

Bar	No	Size	Type	Dim A	Length	Weight	Bars per span A	B	C	D
A100	322	#5	1	26'-0"	27'-2"	9,129	53	104	104	61
A101	12	#5	2	24'-9"	25'-4"	317	6	—	—	6
A102	4	#5	2	24'-6"	25'-1"	105	2	—	—	2
A103	2	#5	2	24'-0"	24'-7"	52	1	—	—	1
A104	24	#5	2	23'-6"	24'-1"	603	6	6	6	6
A105	24	#5	2	22'-0"	22'-7"	565	6	6	6	6
A106	24	#5	2	20'-6"	21'-1"	528	6	6	6	6
A107	24	#5	2	19'-0"	19'-7"	490	6	6	6	6
A108	24	#5	2	17'-6"	18'-1"	453	6	6	6	6
A109	24	#5	2	16'-0"	16'-7"	415	6	6	6	6
A110	24	#5	2	14'-6"	15'-1"	378	6	6	6	6
A111	24	#5	2	13'-0"	13'-7"	340	6	6	6	6
A112	24	#5	2	11'-6"	12'-1"	302	6	6	6	6
A113	24	#5	2	10'-0"	10'-7"	265	6	6	6	6
A114	24	#5	2	8'-6"	9'-1"	227	6	6	6	6
A115	24	#5	2	7'-0"	7'-7"	190	6	6	6	6
A116	24	#5	2	5'-6"	6'-1"	152	6	6	6	6
A117	24	#5	2	4'-0"	4'-7"	115	6	6	6	6
A118	24	#5	2	2'-6"	3'-1"	77	6	6	6	6
A200	320	#5	3	26'-6"	26'-8"	8,900	53	103	103	61
A201	12	#5	4	24'-0"	25'-1"	314	6	—	—	6
A202	2	#5	4	23'-9"	24'-10"	52	1	—	—	1
A203	2	#5	4	23'-3"	24'-4"	51	1	—	—	1
A204	24	#5	4	23'-0"	24'-1"	603	6	6	6	6
A205	24	#5	4	21'-6"	22'-7"	565	6	6	6	6
A206	24	#5	4	20'-0"	21'-1"	528	6	6	6	6
A207	24	#5	4	18'-6"	19'-7"	490	6	6	6	6
A208	24	#5	4	17'-0"	18'-1"	453	6	6	6	6
A209	24	#5	4	15'-6"	16'-7"	415	6	6	6	6
A210	24	#5	4	14'-0"	15'-1"	378	6	6	6	6
A211	24	#5	4	12'-6"	13'-7"	340	6	6	6	6
A212	24	#5	4	11'-0"	12'-1"	302	6	6	6	6
A213	24	#5	4	9'-6"	10'-7"	265	6	6	6	6
A214	24	#5	4	8'-0"	9'-1"	227	6	6	6	6
A215	24	#5	4	6'-6"	7'-7"	190	6	6	6	6
A216	24	#5	4	5'-0"	6'-1"	152	6	6	6	6
A217	24	#5	4	3'-6"	4'-7"	115	6	6	6	6
A218	24	#5	4	2'-0"	3'-1"	77	6	6	6	6

Bar	No	Size	Type	Length	Weight	Bars per span A	B	C	D
b1	70	#4	Str	27'-11"	1,305	70	—	—	—
b2	48	#4	5	5'-6"	176	24	—	—	24
b3	164	#4	5	3'-6"	337	24	48	48	24
b4	16	#4	Str	27'-2"	290	16	—	—	—
b5	258	#4	Str	26'-11"	1,981	—	129	129	—
b6	70	#4	Str	30'-0"	1,403	—	—	—	70
b7	16	#4	Str	29'-3"	313	—	—	—	16
c1	204	#4	5	3'-8"	500	36	60	60	48
c2	204	#4	5	4'-3"	579	36	60	60	48
f1	12	#4	Str	16'-3"	130	12	—	—	—
f2	12	#4	Str	17'-4"	139	12	—	—	—
f3	80	#4	Str	14'-8"	784	—	40	40	—
f4	16	#4	Str	13'-0"	139	—	—	—	16
f5	16	#4	Str	13'-10"	148	—	—	—	16
h2	102	#3	6	5'-10"	109	18	30	30	24
h3	317	#2	6	2'-7"	223	105	150	150	112
K1	4	#6	Str	17'-5"	105	2	—	—	2
K2	8	#4	Str	17'-1"	91	4	—	—	4
K4	36	#6	Str	9'-6"	514	6	12	12	6
K10	4	#6	Str	11'-11"	72	2	—	—	2
K11	4	#6	Str	8'-0"	48	2	—	—	2
K20	8	#4	Str	11'-2"	66	4	—	—	4
K21	8	#4	Str	7'-8"	41	4	—	—	4
K40	24	#6	Str	4'-6"	162	4	8	8	4
K41	24	#6	7	6'-10"	246	4	8	8	4
S4	136	#4	E	5'-8"	591	26	52	52	26
Z2	102	#5	9	6'-3"	665	18	30	30	24

SUPERSTRUCTURE QUANTITIES

Reinforcing Steel	42,766	Lbs
Class 'A' Concrete	207.2	C.Y
Structural Steel - Approx.	183,500	Lbs

DESIGNED BY
DRAWN BY M. G. Rogers DATE Dec. 1959
TRACED BY M. G. Rogers DATE Dec. 1959
CHECKED BY H. J. Sloan DATE Dec. 1959

PROJECT NO. 8.17542

SURRY - STOKES COUNTY

STATION: 507 + 15.0 -12-

REVISIONS

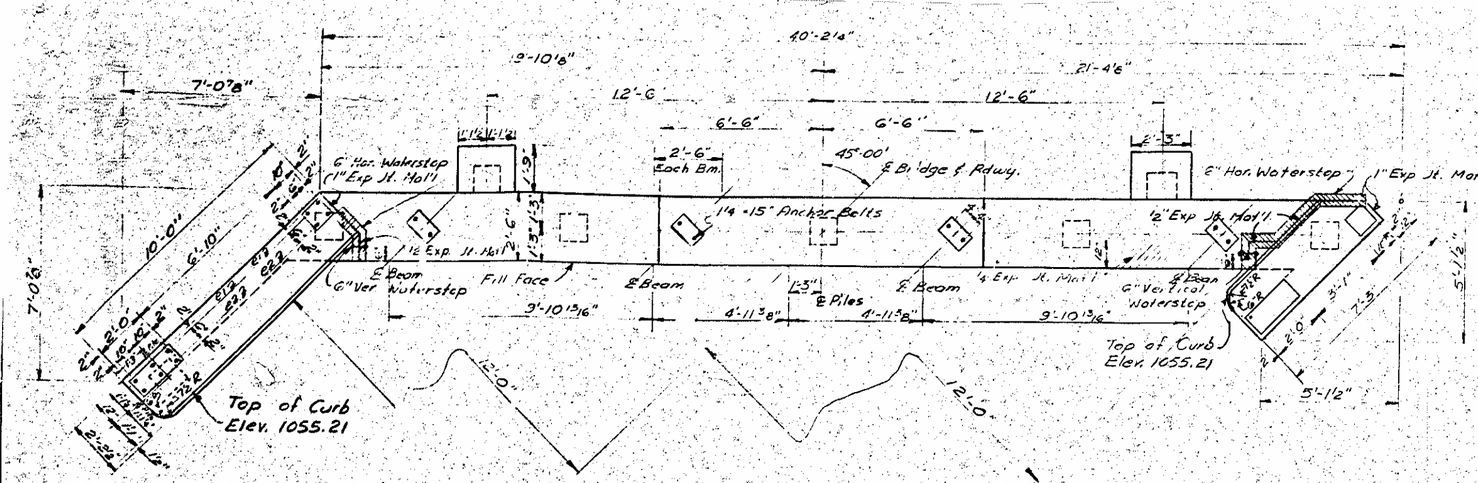
NO.	BY	DATE
1		
2		
3		
4		

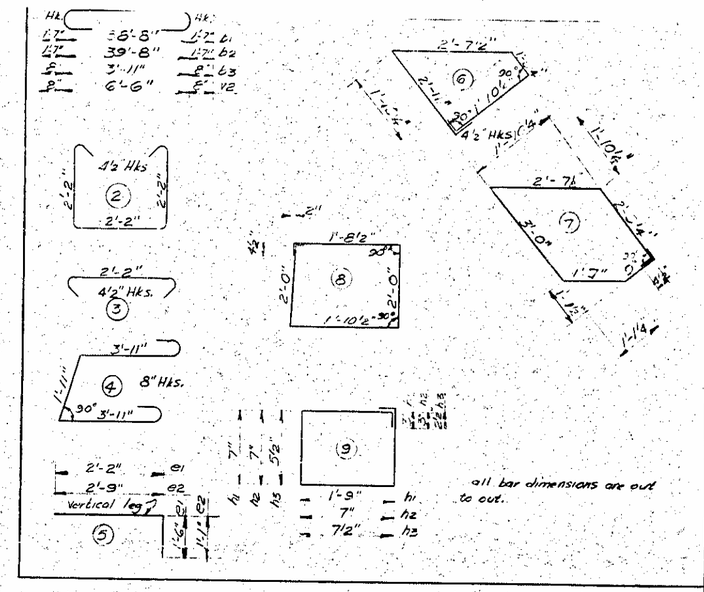
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

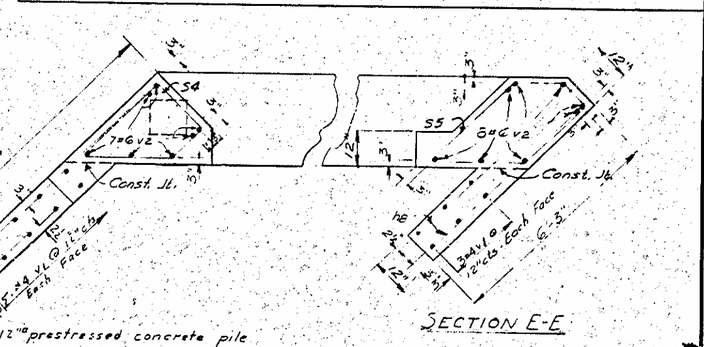
SUPERSTRUCTURE
BILL OF MATERIAL

December 1959

SHEET NO. S-166
TOTAL SHEETS 172







Note:
Piles to be driven to a minimum bearing capacity of 27 tons each.

Vertical waterstop to extend from bridge seat to center of slab.

* Concrete displaced by pile heads has been deducted from concrete quantity.

F. A. Proj. ---- F-121

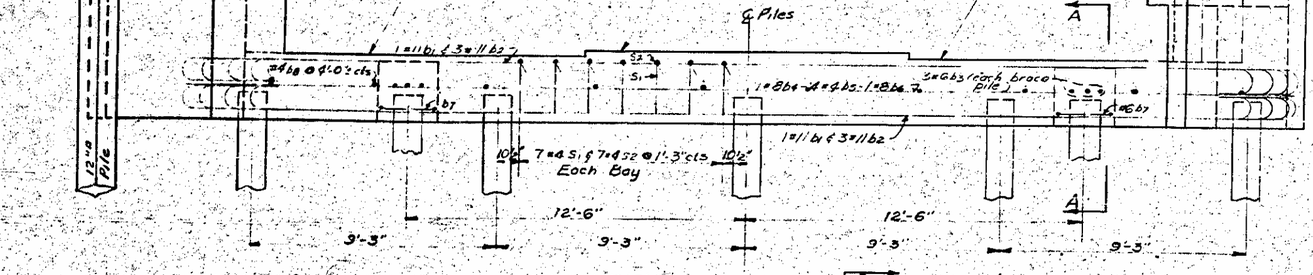
SHEET 172 TOTAL 281

BILL OF MATERIAL

One End Bent - Two Required

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	2	#11	1	41'-10"	445
b2	6	#11	1	42'-10	1565
b3	6	#6	1	5'-3"	47
b4	1	#8	Str	39'-8"	106
b5	8	#4	Str.	20'-6"	110
b6	1	#8	Str.	38'-8	103
b7	2	#6	4	11'-1"	33
b8	10	#4	Str.	2'-2"	14
S1	28	#4	2	7'-3"	136
S2	28	#4	3	2'-11"	56
S3	14	#4	8	8'-4"	78
S4	5	#4	6	9'-3"	31
S5	5	#4	7	11'-0"	37
h1	2	#3	9	5'-2"	4
h2	2	#3	9	2'-10"	2
h3	17	#2	9	2'-7"	7
h4	7	#6	Str.	9'-6"	100
h5	10	#4	Str.	7'-6"	50
h6	3	#6	Str.	4'-9"	21
h7	5	#6	Str.	5'-9"	43
h8	10	#4	Str.	5'-9"	38
V1	16	#4	Str.	6'-6"	69
V2	15	#6	1	7'-10"	176
f1	4	#4	Str.	9'-5"	25
f2	4	#4	Str.	5'-10"	16
e1	10	#4	5	3'-8"	24
e2	10	#4	5	3'-10"	26

Reinforcing Steel 3162 lbs
Class "A" Concrete 15.3 cu. yds.
12"ø Prest. Conc. Piles - No. 8 - 330 Lin. Ft.
" " " " C.O. 24' 4½"
" " " 288'
" " " C.O. 0



PROJECT NO. 8.17542

SURRY - STOKES COUNTY

STATION: 507+15.0 ℄

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

SUBSTRUCTURE
END BENTS 1 & 2

Dec. 1959

SHEET NO. S-167
TOTAL SHEETS 172

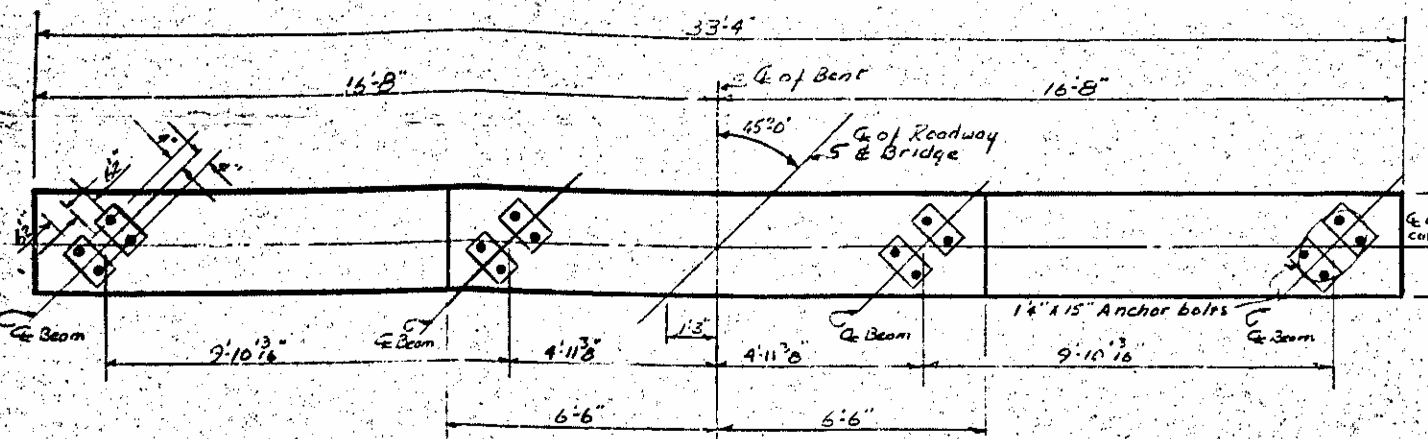
DESIGNED BY		DATE
DRAWN BY	C.S. HICKS	DATE Dec. 1959
TRACED BY		DATE
CHECKED BY	A.H. GRAY	DATE Dec. 1959

REVISIONS

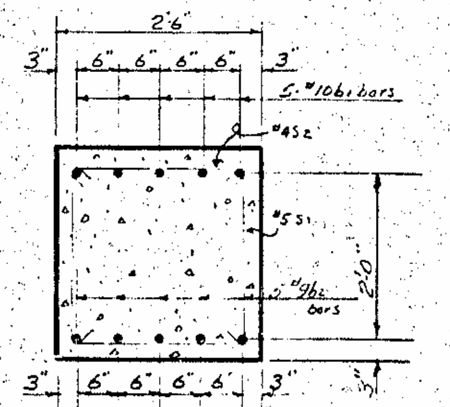
FED. ROAD DIST. NO.	STATE	
3	N. C.	8.17?

F.A. Proj F-121(5)

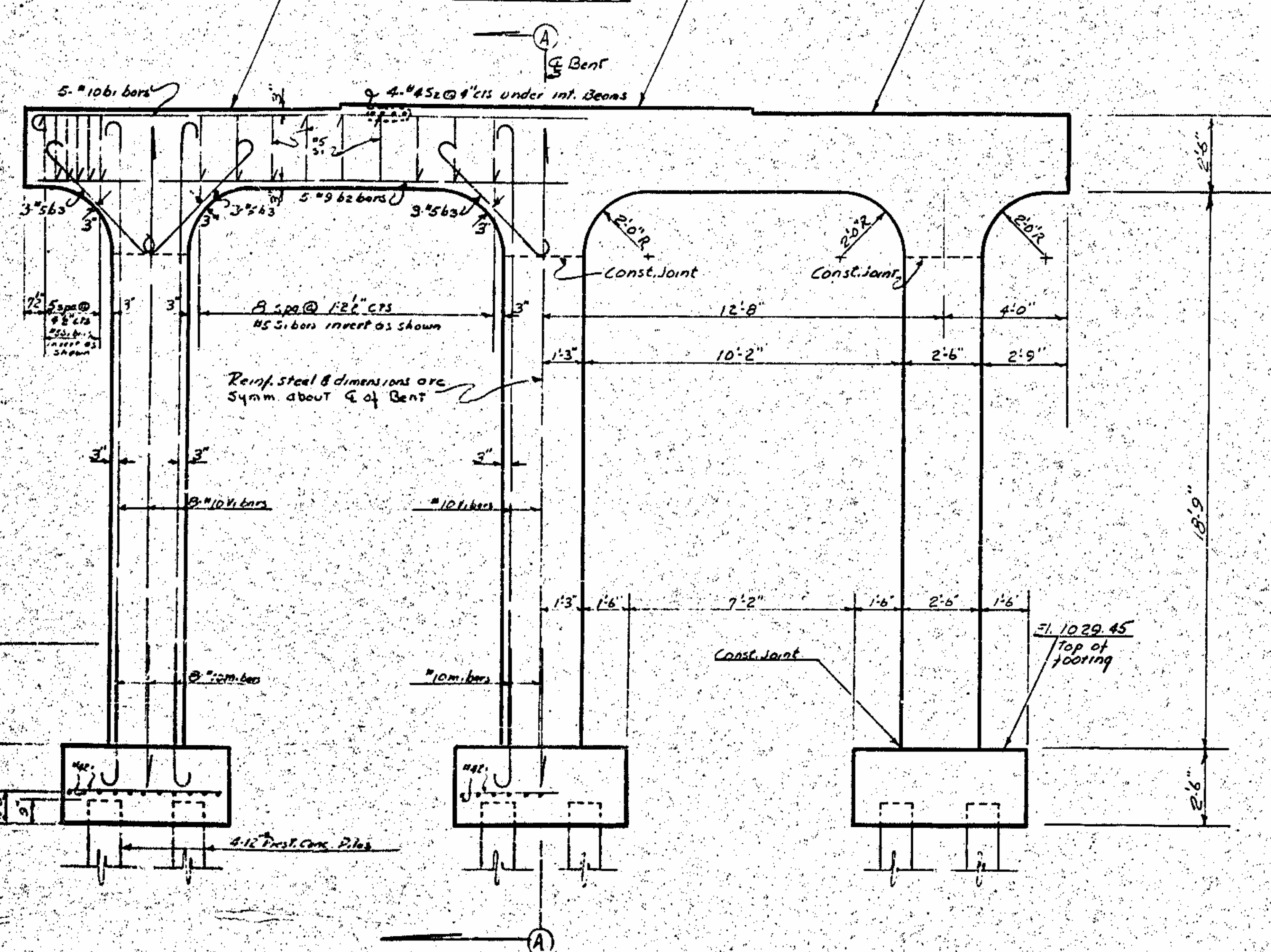
SHEET 178 — TOTAL 281



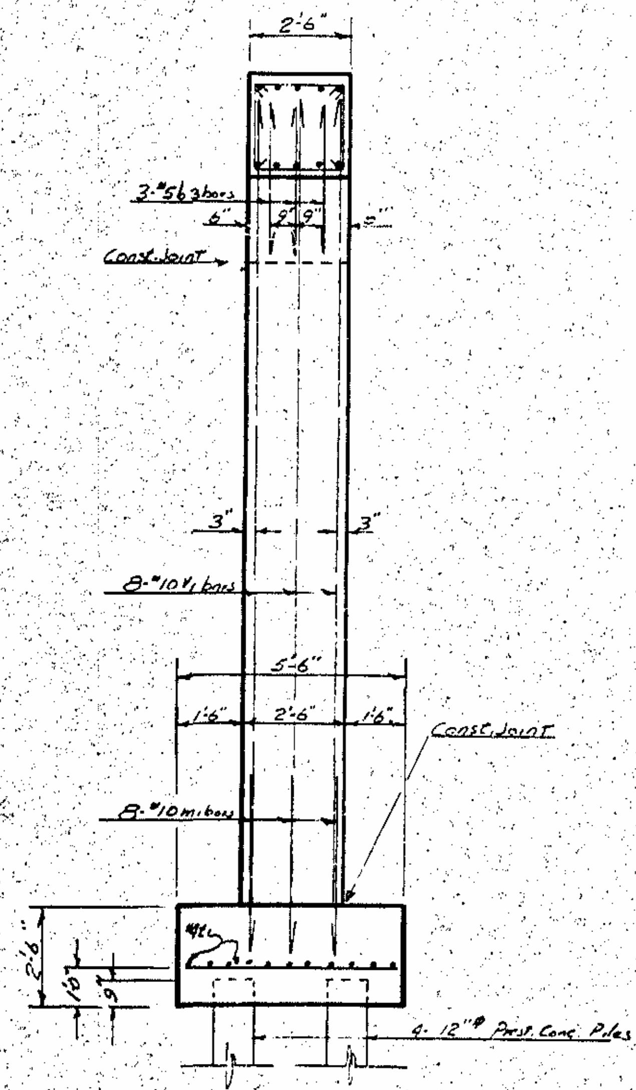
PLAN OF CAP



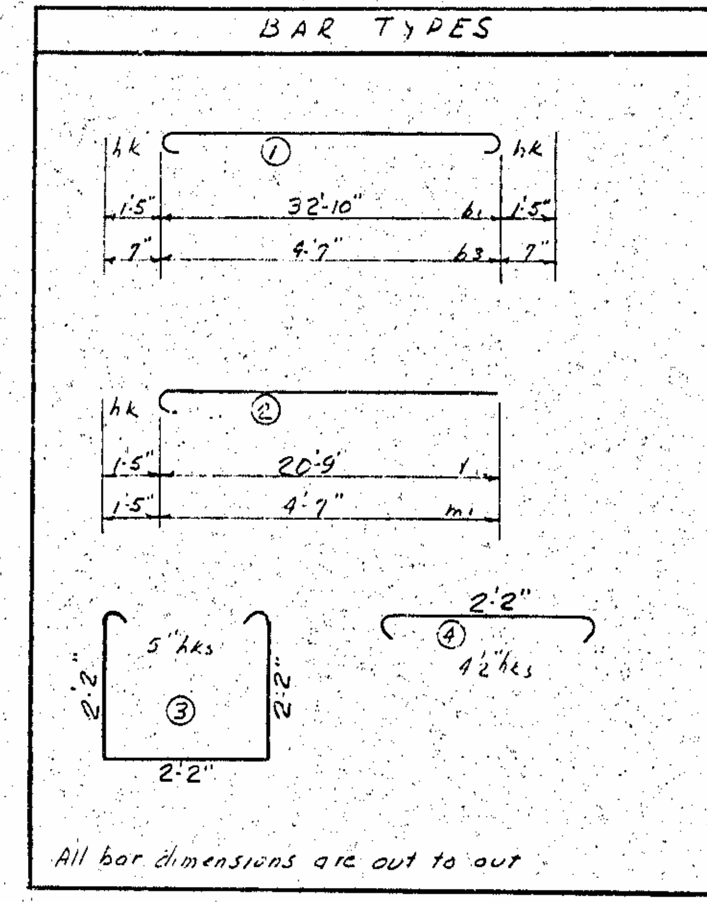
SECTION THRU CAP



ELEVATION



SECTION AA



BILL OF MATERIAL

FOR ONE BENT - 3 REQD

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b₁	5	#10	1	35'-8"	767
b₂	5	#9	Str	32'-10"	558
b₃	18	#5	1	5'-9"	108
S₁	30	#5	3	7'-4	229
S₂	8	#4	4	2'-11"	16
V₁	24	#10	2	22'-2"	2289
m₁	24	#10	2	6'-0"	620
t₁	66	#4	Str.	5'-0"	220

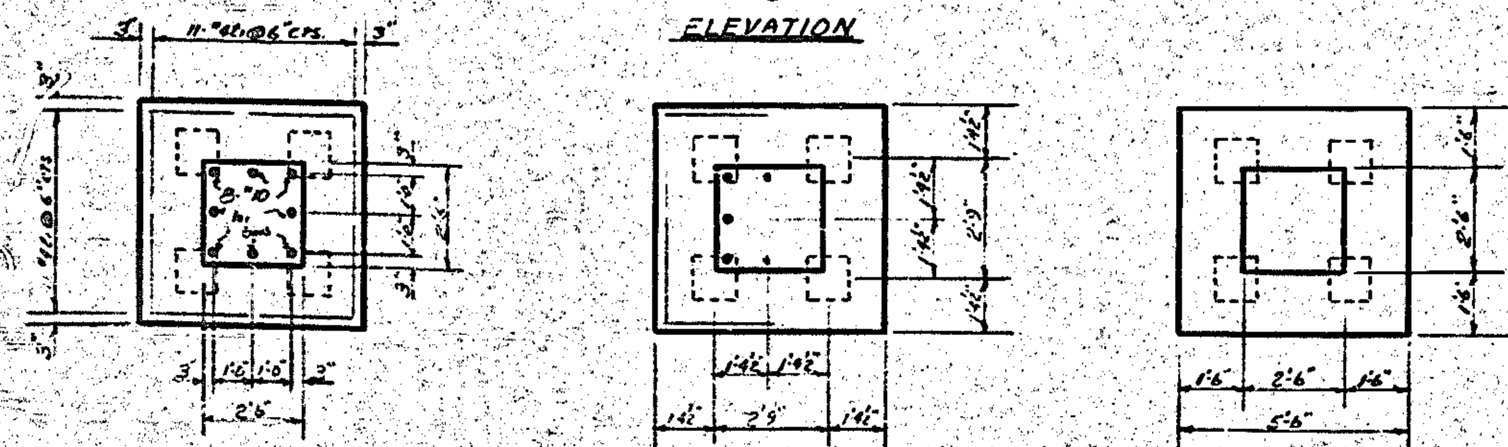
NOTE

Piles to be driven to a minimum bearing capacity of 27 Tons each.

* Concrete displaced by pile heads has been deducted.

Cap steel may be shifted to clear anchor bolts.

	Item	Unit	Quantity
Bent 1	* Class "A" Concrete	C.Y.	29.4
	Reinf. Steel	lbs	4807
	Unclass. Str. Excavation	C.Y.	54.31 (struck: 60)
	12"ф Prest. Conc. Piles No. 12	L.F.	[illegible]
Bent 2	* Class "A" Concrete	C.Y.	29.4
	Reinf. Steel	lbs	4807
	Unclass. Str. Excavation	C.Y.	[illegible]
	12"ф Prest. Conc. Piles No. 12	L.F.	180 (struck: 324)
Bent 3	* Class "A" Concrete	C.Y.	29.4
	Reinf. Steel	lbs	4807
	Unclass. Str. Excavation	C.Y.	[illegible]
	12"ф Prest. Conc. Piles No. 12	L.F.	193 (struck: 324)



PLAN OF FOOTING

PROJECT NO. 8.17542

SURRY - STOKES COUNTY

STATION: 507+15.0 "L2"

STATE OF NORTH CAROLINA

STATE HIGHWAY COMMISSION

RALEIGH

SUBSTRUCTURE

BENTS 1-2 & 3

DEC. 1959

REVISIONS

SHEET NO. S-16?

TOTAL SHEETS 172

SPECIAL

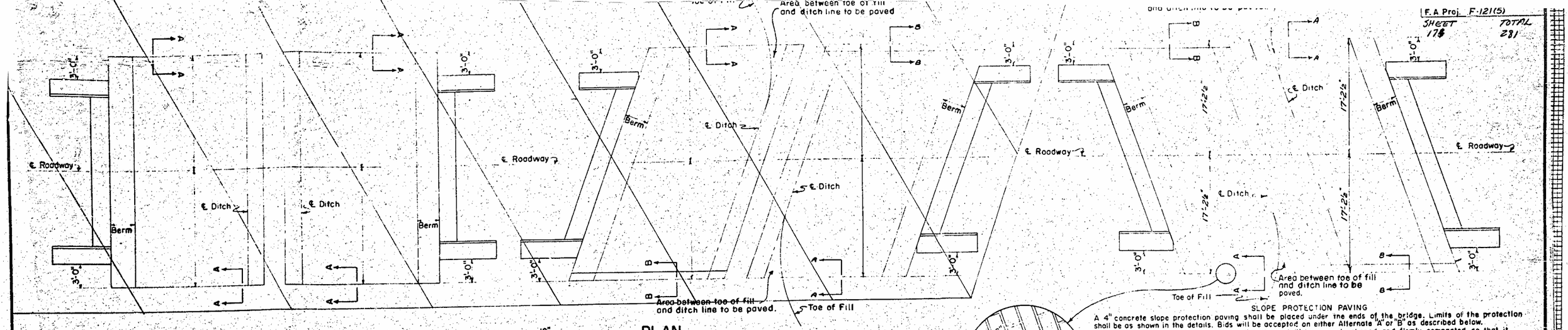
DESIGNED BY

DRAWN BY ____ DATE 3 Dec 1959

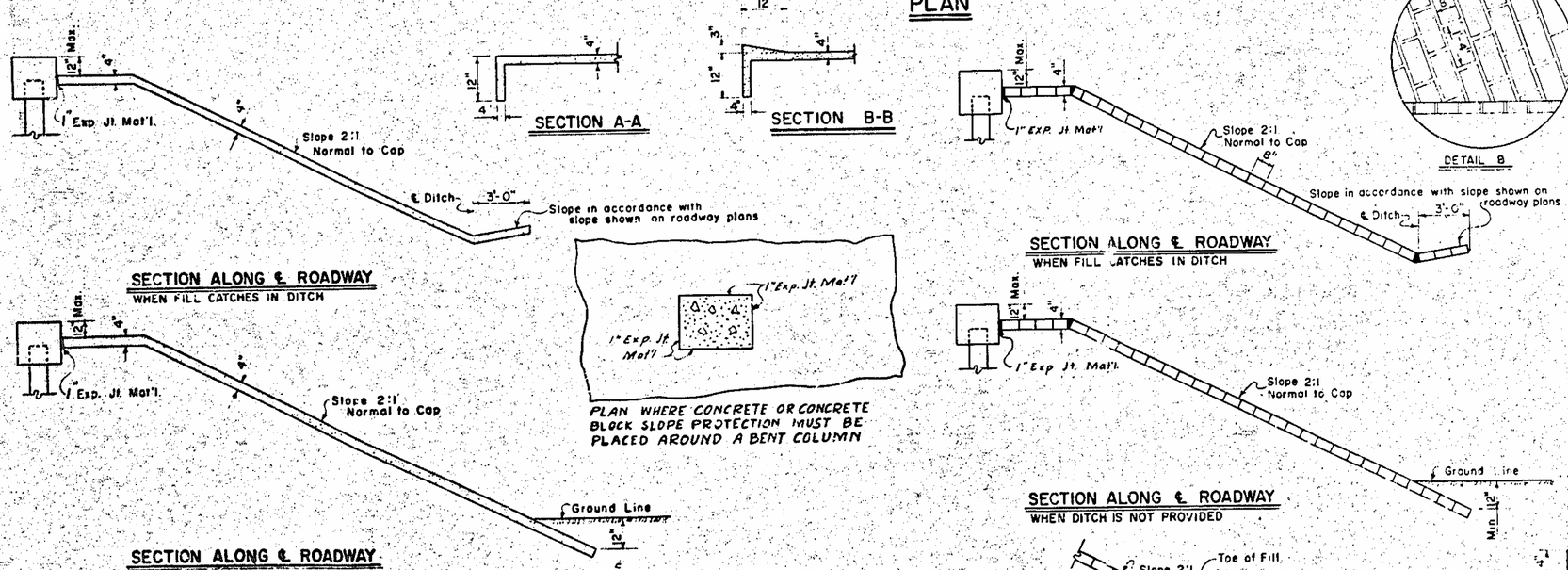
TRACED BY

CHECKED BY ____ DATE Dec 8, 59

F. A Proj. F-121(5)
SHEET 178 TOTAL 281



PLAN



SECTION A-A

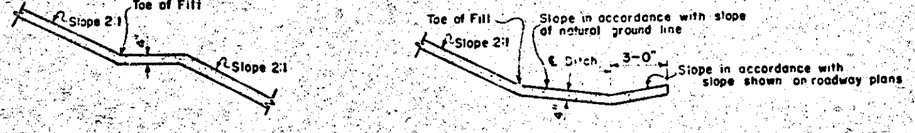
SECTION B-B

DETAIL B

SECTION ALONG ℄ ROADWAY
WHEN FILL CATCHES IN DITCH

PLAN WHERE CONCRETE OR CONCRETE BLOCK SLOPE PROTECTION MUST BE PLACED AROUND A BENT COLUMN

SECTION ALONG ℄ ROADWAY
WHEN DITCH IS NOT PROVIDED

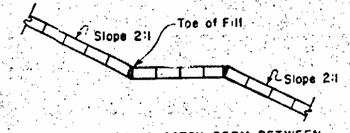


SECTION SHOWING CATCH BERM BETWEEN FILL SLOPE AND CUT SLOPE

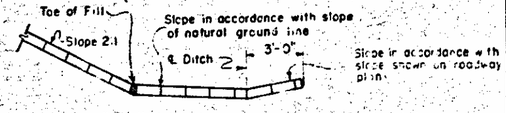
SECTION SHOWING SLOPE WHEN TOE OF FILL IS BACK OF DITCH LINE

DETAILS FOR ALTERNATE "A"

SECTION ALONG ℄ ROADWAY
WHEN DITCH IS NOT PROVIDED



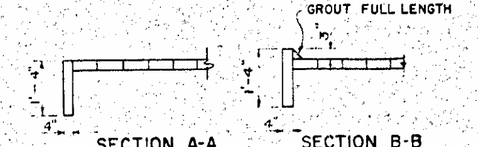
SECTION SHOWING CATCH BERM BETWEEN FILL SLOPE AND CUT SLOPE



SECTION SHOWING SLOPE WHEN TOE OF FILL IS BACK OF DITCH LINE

DETAILS FOR ALTERNATE "B"

SECTION ALONG ℄ ROADWAY
WHEN FILL CATCHES IN DITCH



SECTION A-A SECTION B-B

SLOPE PROTECTION PAVING

A 4" concrete slope protection paving shall be placed under the ends of the bridge. Limits of the protection shall be as shown in the details. Bids will be accepted on either Alternate "A" or "B" as described below.
Immediately before placing the paving, the slope shall be properly shaped and firmly compacted so that it conforms to the lines and grades shown. The finished surface shall be reasonably smooth and uniform and shall not vary from lines, grades, and sections shown by more than ½" along a 10' straight edge.

ALTERNATE "A":
Alternate "A" shall consist of 4" poured in place concrete paving as shown in details on this sheet. Concrete shall be Class B using Standard size Number 3 coarse aggregate. The concrete surface shall be floated with a wooden float and finished.
The quantity to be paid for under this item shall be the number of square yards of slope protection measured in place complete and accepted, including the area of the toe walls below 4" thickness of protection (For example 8" pay area for toe wall 1'-0" deep).
The quantity measured as provided for above, shall be paid for at the contract unit price per square yard for 4" Concrete Slope Protection, complete in place, which price and payment shall be full compensation for all excavation, backfilling, preparation of slopes, and all materials, labor, equipment, tools, and incidentals necessary to complete the work.

ALTERNATE "B":
Alternate "B" shall consist of solid concrete blocks 4" X 8" X 16" laid in horizontal courses such that those in successive courses will break joints with units in the preceding one. Blocks are to be laid with their long axis parallel to the end bent cap with grouted joints preferably ¾" but not less than ½" nor more than 1¼" wide between successive courses and ends of blocks. Joints shall be grouted by pouring a mixture of one part portland cement to three parts sand mixed with sufficient water to enable the mixture to be poured through a spout.
The concrete blocks shall be cast to accurate dimensions, shall have uniform surface color and texture, and shall be manufactured of materials to produce a compressive strength of not less than 3,000 p.s.i. at age of 28 days. No broken blocks shall be used except in constructing a straight line along each side of the paving down the slope. Care shall be taken to break the blocks so as to give a uniform workmanlike joint and surface.
Method of measurement and basis of payment shall be as prescribed above under Alternate "A" except that the item shall be 4" Concrete Block Slope Protection instead of 4" Concrete Slope Protection.

PROJECT NO. 8.17542
SURRY-STOKES COUNTY
STATION: 507+15.0-B

	4" Concrete Slope Protection or 4" Concrete Block Slope Protection S.Y.	
BRIDGE #	E.B. 1	E.B. 2
Sta. 507+15.0	~~215~~ 211.94	~~235~~ 227.20

SPECIAL	DESIGNED BY C.S. Hicks DATE May 1960	
	CHECKED BY R.N. Ellis DATE May 1960	
STANDARD	DRAWN BY Carl J. Kiger DATE Nov. 4, 1959	
	TRACED BY W. J. Rogers DATE Dec. 21, 1959	

Revision No. 1 - to add Section B-B dated 9-8-60 J.L.S.
Rev. 1 - To eliminate toe wall along front edge. CAN 4-4-60
Rev. 2 - to add plan at bent column. ALB 3-8-60 J.L.S.

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH
STANDARD
SLOPE PROTECTION PAVING
DETAILS
NOVEMBER, 1959

SUBMITTED BY: J.R. Smith ABST. CHIEF ENGINEER BRIDGES
APPROVED BY: C.W. Lee CHIEF ENGINEER DATE 12-22-59

SHEET NO. S-169
TOTAL SHEETS 172