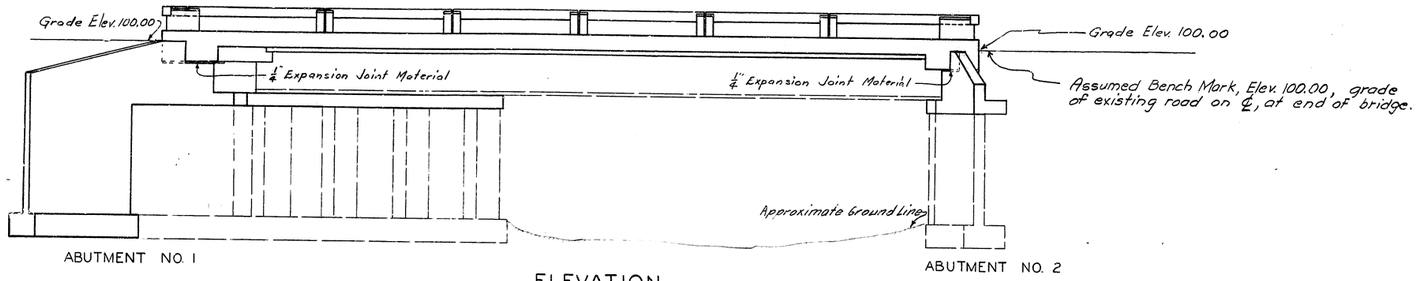
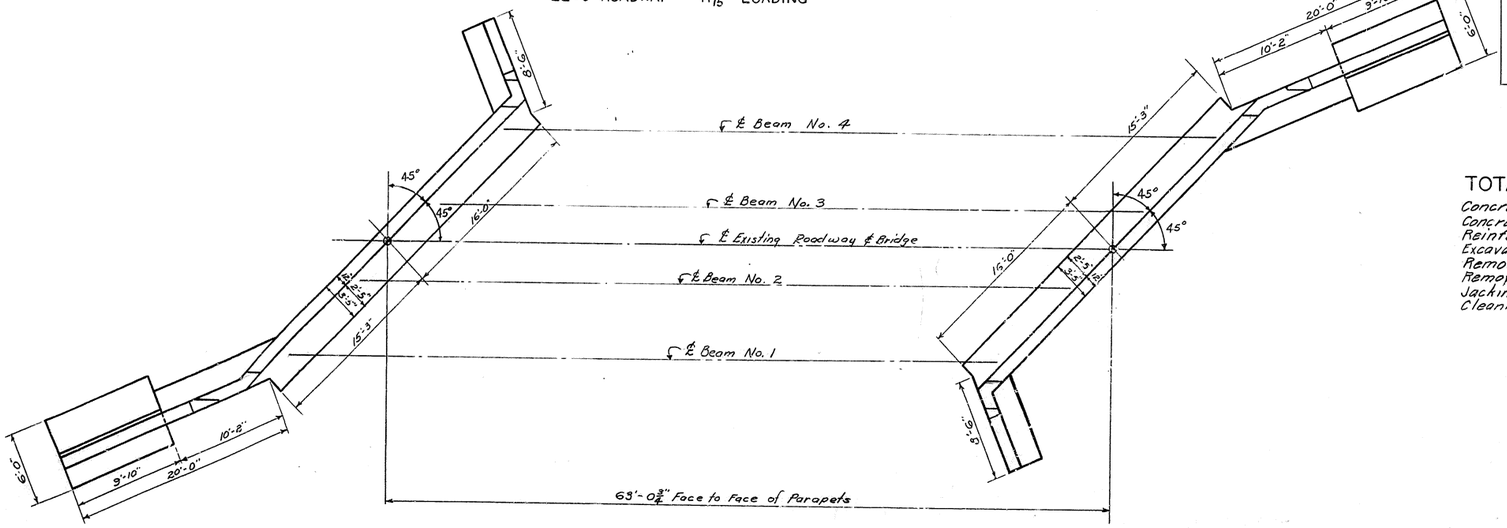
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

To ALLEGRE



ELEVATION
EXISTING 60'-0" STEEL BEAM SPAN – 45° RIGHT SKEW
22'-0" ROADWAY – H_{15} LOADING



PLAN
(Superstructure Removed)

BILL OF INCIDENTAL MATERIAL

ITEM	No.	DESCRIPTION
Premolded Expansion Joint Material	2	1" x 1'-4" x 31'-2"
"	2	½" x 1'-9" x 1'-10"
"	2	½" x 1'-1" x 1'-10"
"	4	½" x 1'-5" x 1'-3"
"	1	¼" x 1'-0" x 19'-7"
Copper Strip	2	1" U x 31'-2 Long (See Std. Drwg. G-351)
Floor Drains	6	See Sheet 6 for details
Type E Waterproofing		Abut. Const. Jt. See Sheet 4
Clay Tile Drains	4	3"Φ x 3'-0" long. See Sheet 5

Quantities shown for Incidental Materials are approximate only, and the contractor is responsible for furnishing enough material to complete the work in accordance with the plans and specifications.

TOTAL ESTIMATE OF QUANTITIES

Concrete Class "A"	90.3 Cu. Yds.
Concrete Class "D"	3.7 Cu. Yds.
Reinforcement	14,752 Lbs.
Excavation, Common	120. Cu. Yds.
Removing Existing Concrete	12. Cu. Yds.
Removing Existing Floor and Handrail	Lump Sum
Jacking and Supporting Beams	Lump Sum
Cleaning and Painting	Lump Sum

G-351
Sheet 1 of 8

Repairs to Bridge over Buck Fork Creek

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL-OVIL-ALLEGRE
ROAD

STATION | PROJECT NO.

BRIDGE NUMBER MP 24-345-1 | DRAWING NO. 1859 | INDEX

DESIGNED BY
DETAILED BY
TRACED BY Slatton
CHECKED BY
CHECKED BY
CHECKED BY J.B.S. Leach
DATE
DATE
DATE
DATE
REVISED
REVISED
REVISED
REVISED

JUL 18 1963

DESIGNED BY	CHECKED BY	DATE	REVISED	DATE
DETAILED BY	CHECKED BY	DATE 1-59	REVISED	DATE
TRACED BY	CHECKED BY	DATE	REVISED	DATE

GENERAL NOTE

SPECIFICATIONS: Kentucky Department of Highways, 1956 Standard with Amendments.

DESIGN LOAD: Bridge designed for H15-44 loading as specified in AASHO 1957 Specifications.

CONCRETE: Class "A" Concrete shall be used throughout, except in handrails. Class "D" Concrete to be used in handrails.

REINFORCEMENT: Dimensions from the face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacing are distances from center to center of bars.

BEVELED EDGES: All exposed concrete edges shall be beveled 7/8" unless otherwise noted.

REMOVING EXISTING DECK: The existing wood floor wheel guards, cross beams, handrails and handrail posts are to be removed and stacked near the site at the direction of the Engineer. Cost of furnishing all equipment and labor shall be included in a lump sum bid for Removing Existing Floor and Handrails.

INCIDENTAL MATERIAL: The cost of furnishing and placing copper strip, clay tile drains, floor drains, expansion joint material and waterproofing material shall be included in the unit price bid for Class "A" Concrete.

DRAINS: Floor drains shall be either cast iron or aluminum. Cast iron drains to be gray iron castings ASTM A-48 current specifications except that tensile and transverse tests are not required. Form T-521 Report of Field Inspection of castings is to be submitted to the laboratory. Aluminum alloy drains shall conform to ASTM B-26 Class C8-22 current specifications. Aluminum drains shall be given a corrosive resistant coating to prevent corrosion by concrete. The cost of furnishing and placing drains shall be included in the unit price for Concrete Class "A".

CLEANING & PAINTING: A lump sum bid shall be submitted for this work. All existing steel shall be cleaned of rust and other foreign matter and given one coat of red lead paint, Type 1 and one coat of aluminum paint in accordance with the specifications. Paint shall be applied by means of brushes. Surfaces which are inaccessible to brushes shall be painted with daubers. Tops of beams shall be painted before slab is poured. The date (year and month) in which the painting is completed shall be stenciled on the structure as directed by the Engineer. The stenciling shall be done with letters or figures two inches high and the paint used for stenciling shall form a distinct contrast with the background.

JACKING AND SUPPORTING BEAMS: Existing beams shall be supported during the pouring of the bridge seats and shall be shifted as shown on the plans. The cost of jacking and supporting the existing beams and the cost of furnishing all equipment and labor for completing this work shall be included in the lump sum bid for Jacking and Supporting Beams.

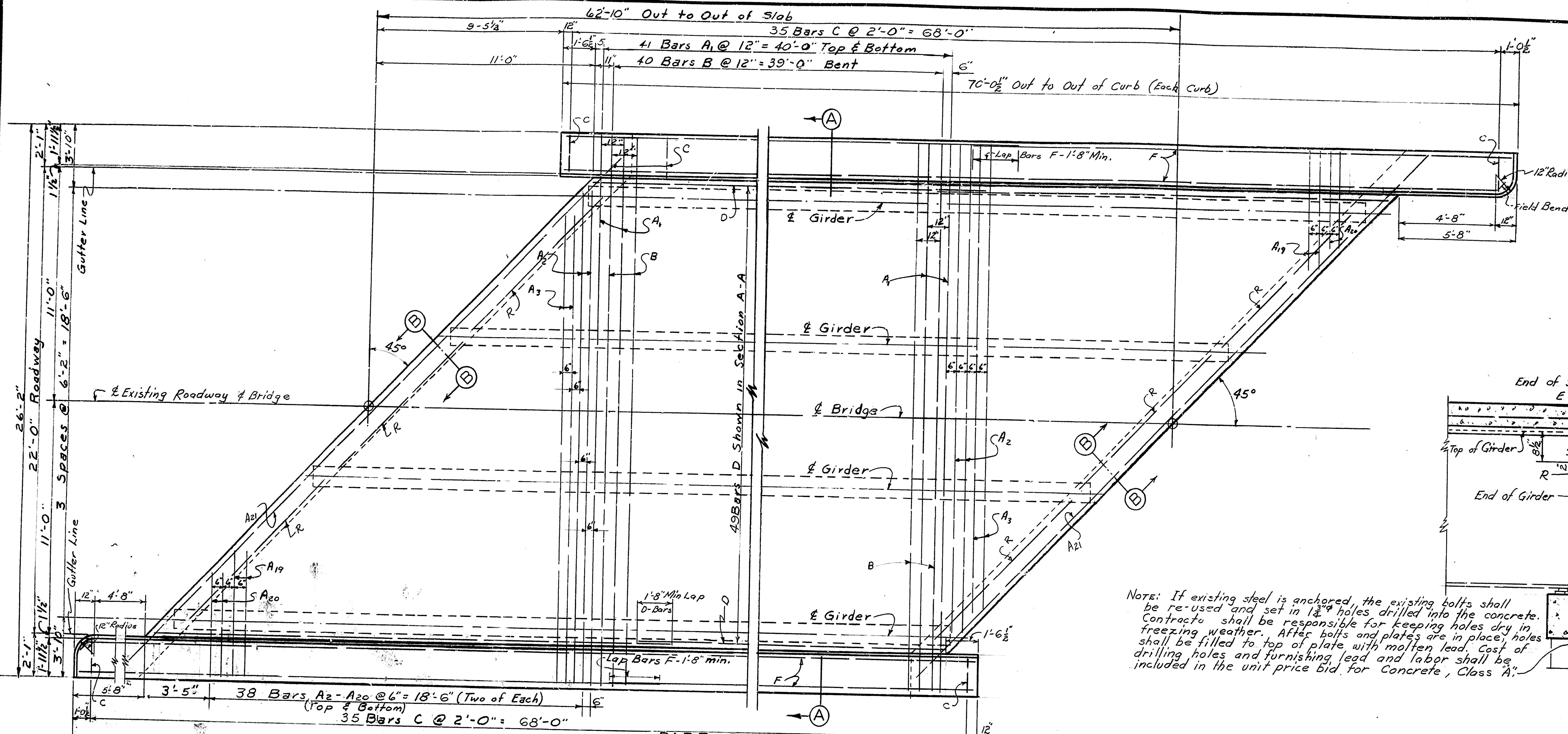
DAMAGE TO BEAMS: The contractor shall be responsible for any and all damage to the structure during reconstruction, even to replacement of the entire span at his expense should it be allowed to fall into the stream for any cause whatsoever.

CLOSING BRIDGE TO TRAFFIC: The bridge may be closed to traffic when same is being reconstructed. The bridge is not to be closed to traffic until the contractor has obtained all material for reconstruction of same. The bridge shall not be closed during the interval of time when bridge numbered MP 24-345-2 is closed for reconstruction.

Repairs to Bridge over Buck Fork Creek

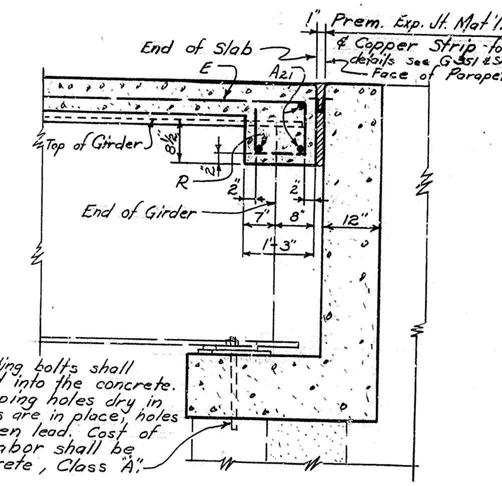
Sheet 2 of 8

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL-OVIL-ALLEGRE
ROAD
PROJECT NO.
STATION
BRIDGE NUMBER MP 24-345-1
SHEET NO.
1959

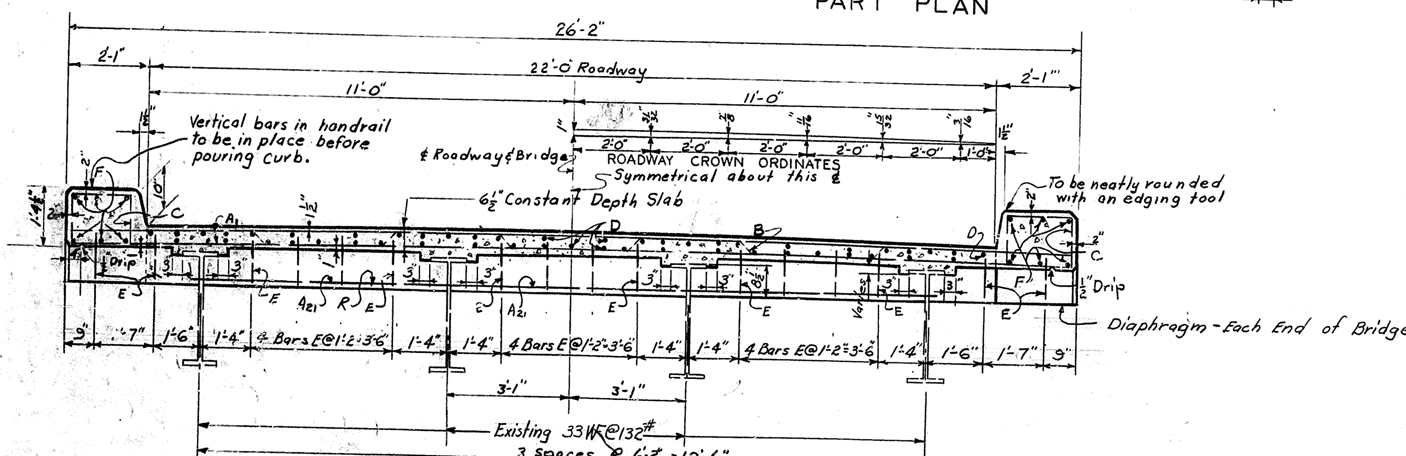


PART PLAN

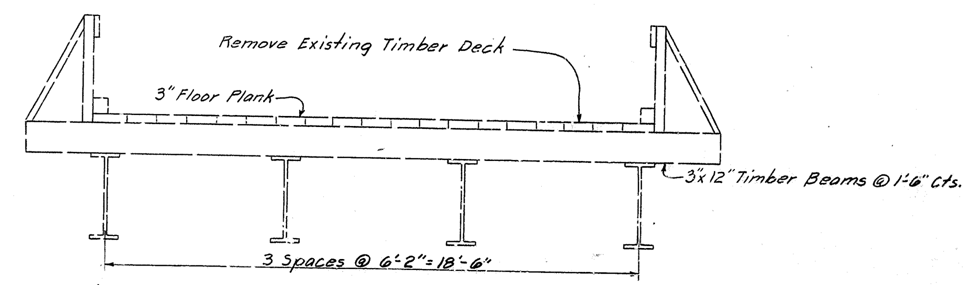
NOTE: If existing steel is anchored, the existing bolts shall be re-used and set in 1¾"φ holes drilled into the concrete. Contracto shall be responsible for keeping holes dry in freezing weather. After bolts and plates are in place, holes shall be filled to top of plate with molten lead. Cost of drilling holes and furnishing lead and labor shall be included in the unit price bid for Concrete, Class "A".



SECTION B-B



SECTION A-A



SECTION THROUGH EXISTING DECK

Sheet 3 of 8

Repairs to Bridge over Buck Fork Creek

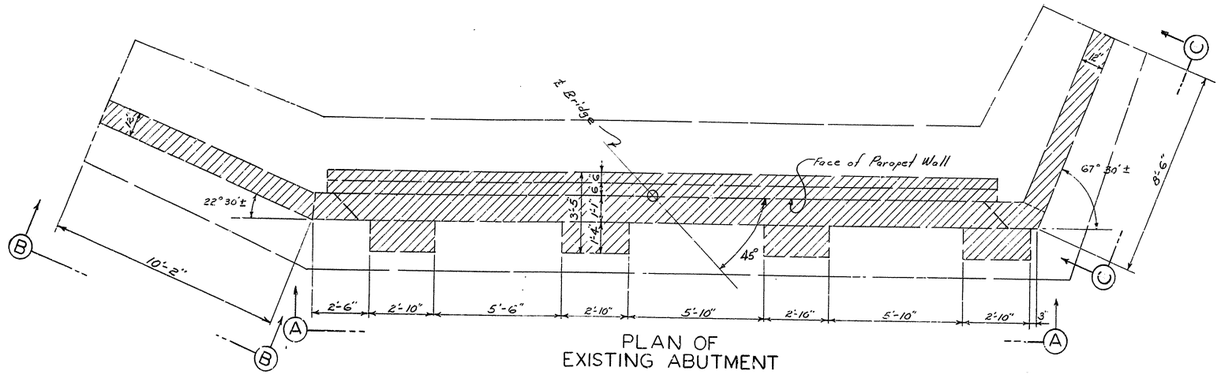
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL-OVIL-ALLEGRE
ROAD

STATION **PROJECT NO.**

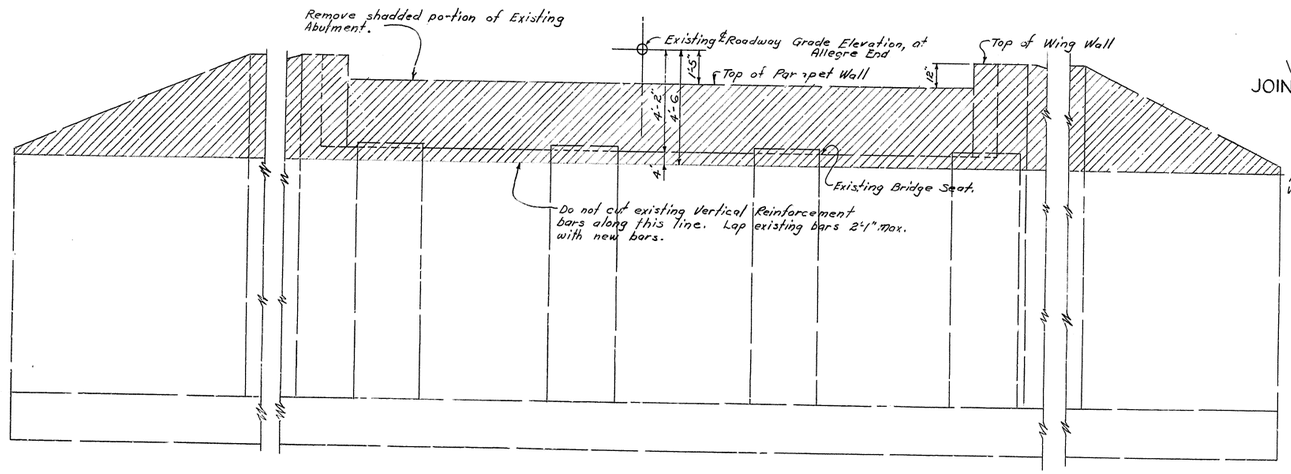
BRIDGE NUMBER M.P 24-345-1 | **DRAWING NO.** 13859 | **INDEX**

SLAB

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

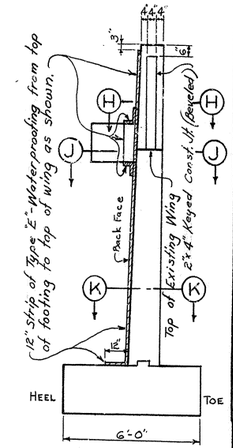


PLAN OF
EXISTING ABUTMENT

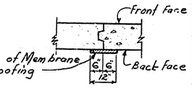


ELEVATION B-B

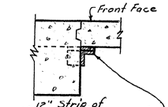
ELEVATION A-A



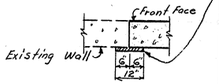
SECTION THROUGH
VERTICAL CONSTRUCTON
JOINT IN WING WALL



SECTION H-H



SECTION J-J

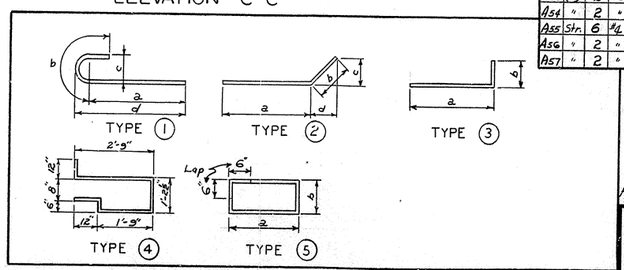


SECTION K-K

BILL OF REINFORCEMENT- FOR TWO ABUTMENTS

MARK	TYPE	No.	SIZE	LENGTH FT.	LENGTH IN.	LOCATION	a FT.	a IN.	b FT.	b IN.	c FT.	c IN.	d FT.	d IN.
A1	①	76	#5	6	3	Long Wing - Footing	5	5	0	10	0	6	5	8
A2	Str.	60	#4	9	7	" - Footing & Wall								
A3	①	38	#7	6	11	" - Footing to Wall	5	9	1	2	0	7	6	0½
A4	Str.	6	#4	10	6	" - Front Face								
A5	"	6	"	11	3	" - " "								
A6	"	4	"	12	0	" - " "								
A7	"	4	"	12	8	" - " "								
A8	"	6	#5	10	6	" - Back Face								
A9	"	6	"	11	3	" - " "								
A10	"	4	"	12	0	" - " "								
A11	"	4	"	12	8	" - " "								
A12	"	2	"	11	2	" - Front Face								
A13	"	2	"	7	8	" - " "								
A14	"	2	"	4	8	" - " "								
A15	"	2	#4	4	9	" - " "								
A16	"	6	"	3	0	" - " "								
A17	"	6	"	3	9	" - "Parapet- "								
A18	"	10	"	1	11	" - "Parapet- "								
A19	"	4	"	7	5	" - " "								
A20	"	2	#6	11	2	" - Back Face								
A21	"	2	"	7	8	" - " "								
A22	"	2	"	4	8	" - " "								
A23	"	4	"	13	1	" - Top of Wing								
A24	②	4	"	10	6	" - Back face	9	2	1	4	0	6½	1	2¾
A25	③	4	#5	5	1	" - " "	4	2	1	0				
A26	"	2	"	5	7	" - " "	4	8	1	0				
A27	"	10	"	3	10	" - "Parapet- "	2	11	1	0				
A28	④	29	#4	8	0	Long & Short Wing - Footing								
A29	⑤	4	"	7	8	Long Wing - "	2	9	0	8½				
A30	③	2	#5	5	0	Parapet to Footing	4	1	1	0				
A31	Str.	6	#4	13	0	Long Wing - Footing								
A32	"	2	"	7	3	" - " "								
A33	"	2	"	11	6	" - " "								
A34	③	58	#5	7	2	Parapet - Wall to Bridge Seat	4	2	3	1				
A35	"	4	"	5	9	" - " "	2	9	3	1				
A36	"	60	"	5	8	" - " "	3	5	2	4				
A37	"	2	"	4	3	" - " "	2	0	2	4				
A38	Str.	14	#6	31	0	Bridge Seat - Top & Bottom								
A39	"	4	"	30	9	Parapet - Front & Back Face								
A40	"	8	#5	33	9	" " " "								
A41	"	2	#4	6	0	Short Wing - Front Face								
A42	"	2	"	5	0	" " - "								
A43	"	4	#6	6	0	" " - Top of Wing								
A44	"	2	#4	1	11	" " - Front Face								
A45	"	6	"	3	10	" " - "								
A46	"	4	"	2	9	" " - "								
A47	"	2	"	2	0	" " - "								
A48	"	2	"	1	4	" " - "								
A49	③	2	#5	3	8	" - Back Face	2	9	1	0				
A50	"	2	"	5	7	" - " "	4	8	1	0				
A51	"	4	"	3	11	" - " "	3	0	1	0				
A52	"	4	"	2	11	" - " "	2	0	1	0				
A53	②	2	#6	7	4	" - " "	6	6	1	4	1	2¾	0	6½
A54	"	2	"	5	4	" - " "	4	0	1	4	1	2¾	0	6½
A55	Str.	6	#4	9	6	" - Footing								
A56	"	2	"	6	8	" - "								
A57	"	2	"	7	6	" - "								

ELEVATION C-C



ESTIMATE OF QUANTITIES
FOR TWO ABUTMENTS

Concrete, Class "A"	42.6 Cu. Yds.
Reinforcement	4,577. Lbs.
Excavation, Common	120. Cu. Yds.
Removing Existing Concrete	12. Cu. Yds

DESIGNED BY _____ DATE _____
DETAILED BY Huntership DATE 2/65
TRACED BY _____ DATE _____
CHECKED BY Synd DATE _____
CHECKED BY _____ DATE _____
CHECKED BY _____ DATE _____
REVISED _____ DATE _____
REVISED _____ DATE _____
REVISED _____ DATE _____

Sheet 4 of 8

Repairs to Bridge over Buck Fork Creek

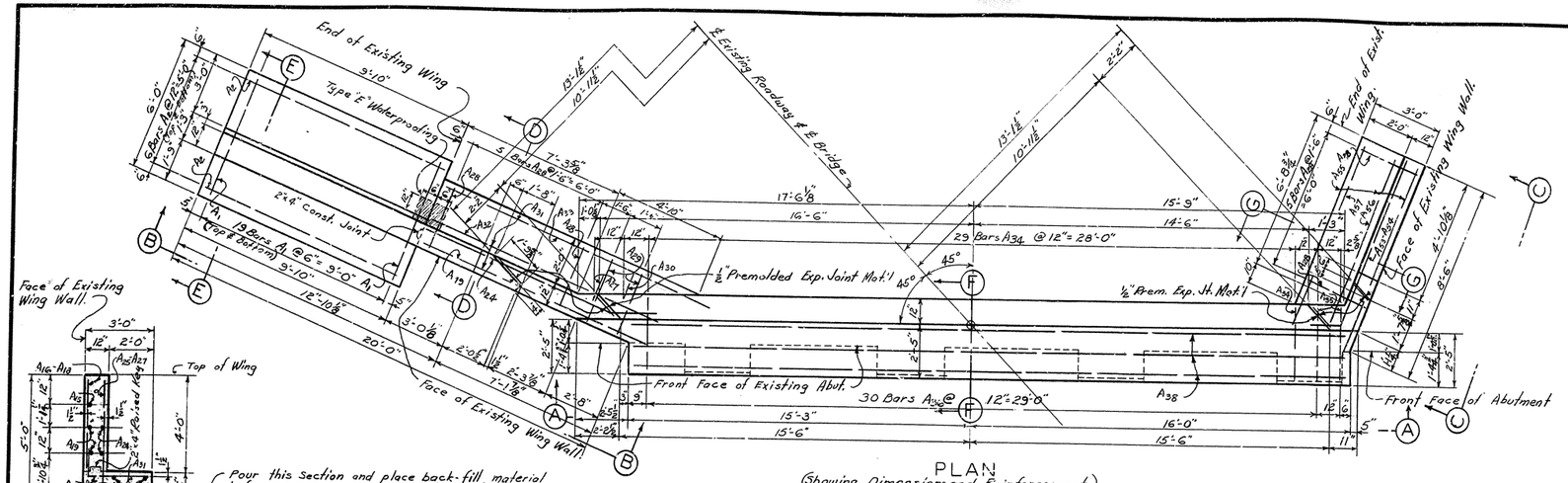
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL - OVIL - ALLEGRE

STATION ROAD PROJECT NO.

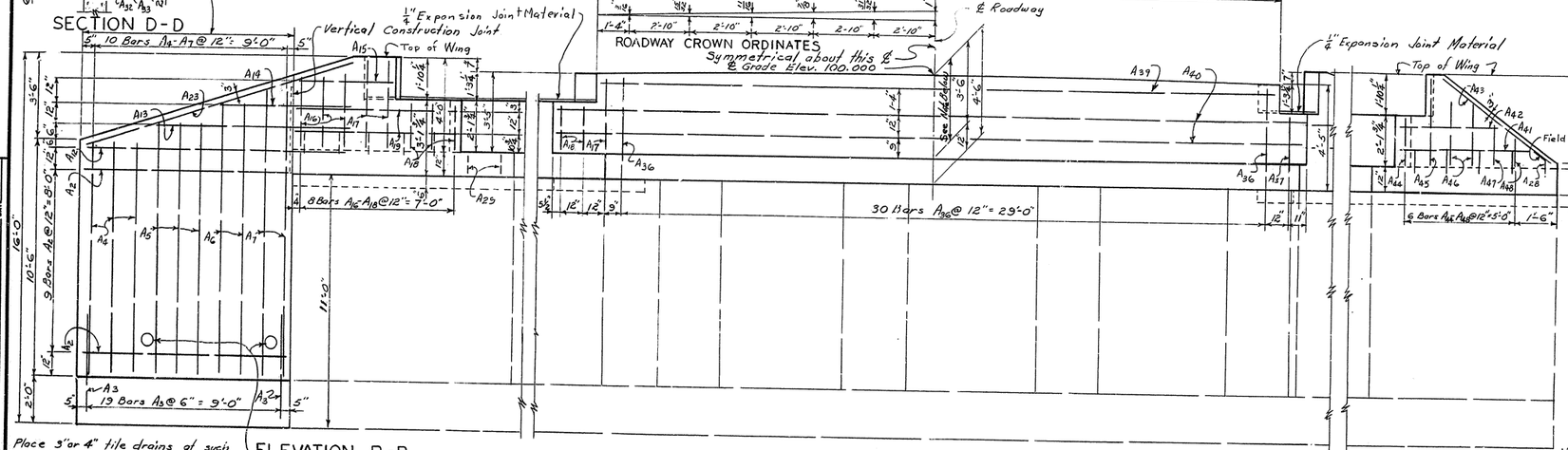
BRIDGE NUMBER M.P. 24-345-1 DRAWING NO. 13859 INDEX

ABUTMENT NO. 1 & 2

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



SECTION D-D

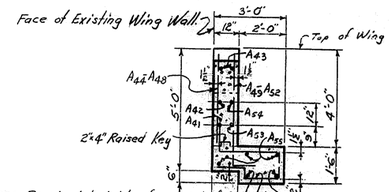


ELEVATION B-B

ELEVATION A-A
(Showing Dimensions and Reinforcement in Front Face of Walls)

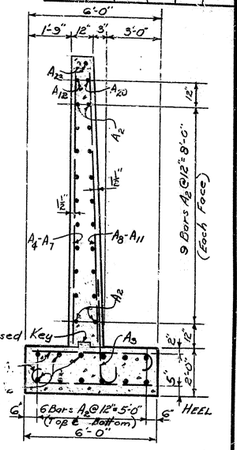
ELEVATION C-C

SECTION F-F

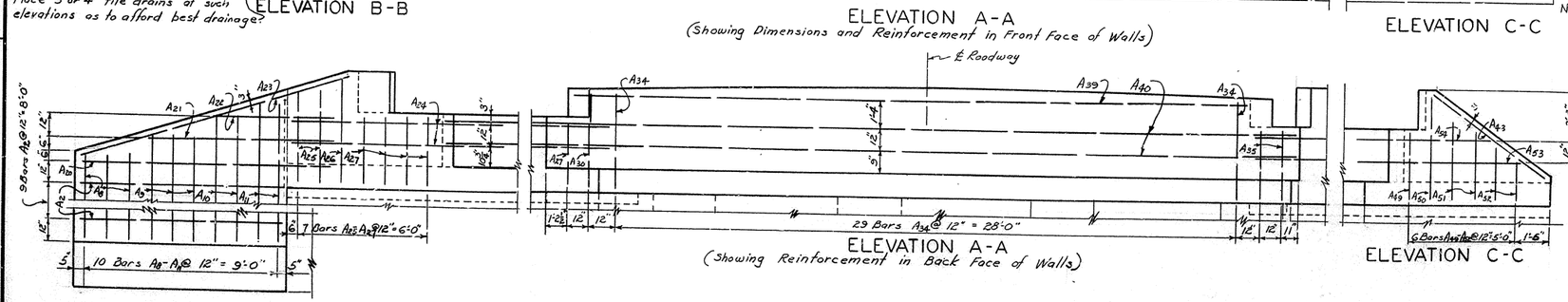


NOTE: Required height of parapet shown as 3'-6" at center of roadway shall be field checked. If no bearing plates have been provided for existing beams, height of parapet shall be changed to suit.

SECTION G-G



SECTION E-E



ELEVATION B-B

ELEVATION A-A
(Showing Reinforcement in Back Face of Walls)

ELEVATION C-C

Sheet 5 of 8

Repairs to Bridge over Buck Fork Creek

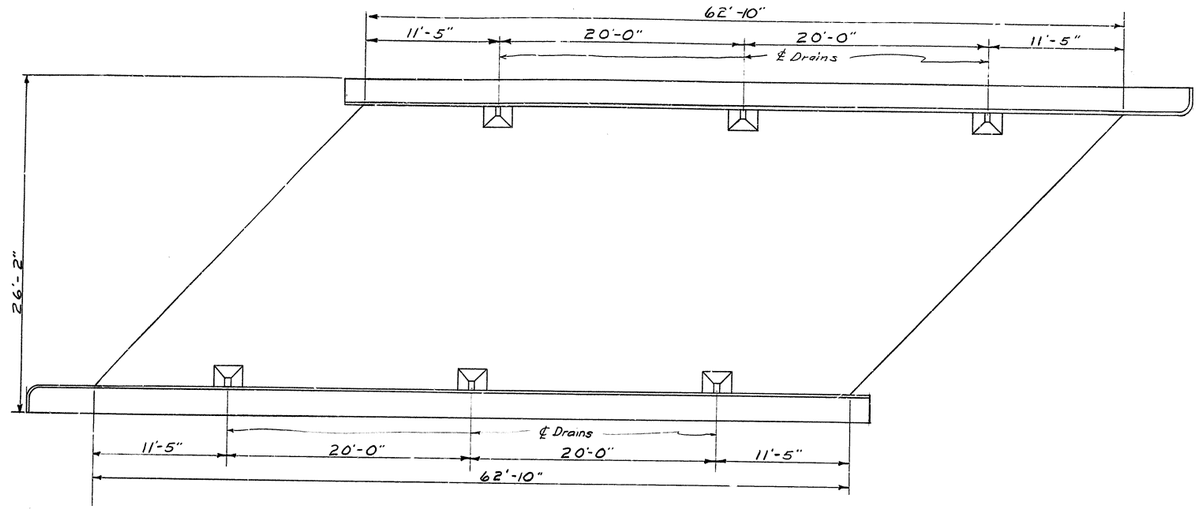
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL - OVIL - ALLEGRE
ROAD

STATION	PROJECT NO.		
BRIDGE NUMBER MP 24-345-1		DRAWING NO. 13859	INDEX

ABUTMENT NO. 1 & 2

DESIGNED BY
DETAILED BY Standerfer
CHECKED BY
CHECKED BY
TRACED BY
CHECKED BY
DATE 4/52
REVISED
REVISED
REVISED

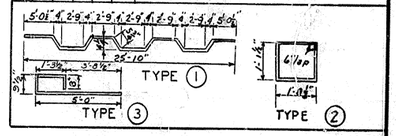
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

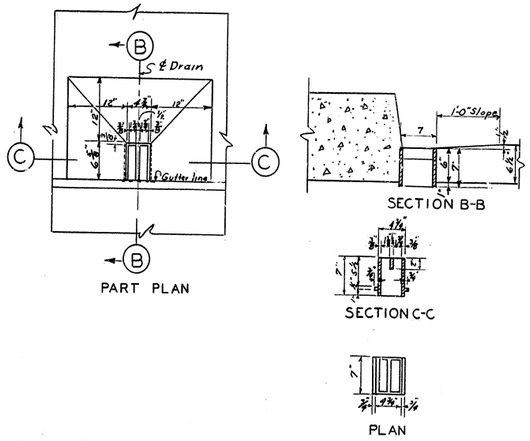


PLAN
SHOWING SPACING OF DRAINS

BILL OF REINFORCEMENT - FOR SLAB

Mark	Type	No	Size	Length Ft.	Length In.	Location
A_1	Str.	82	#5	25	10"	Slab Transverse
A_2	"	8	"	23	2	" "
A_3	"	8	"	22	3	" "
A_4	"	8	"	21	2	" "
A_5	"	8	"	20	2	" "
A_6	"	8	"	19	2	" "
A_7	"	8	"	18	2	" "
A_8	"	8	"	17	2	" "
A_9	"	8	"	16	2	" "
A_{10}	"	8	"	15	2	" "
A_{11}	"	8	"	14	2	" "
A_{12}	"	8	"	13	2	" "
A_{13}	"	8	"	12	2	" "
A_{14}	"	8	"	11	2	" "
A_{15}	"	8	"	10	2	" "
A_{16}	"	8	"	9	2	" "
A_{17}	"	8	"	8	2	" "
A_{18}	"	8	"	7	2	" "
A_{19}	"	8	"	6	2	" "
A_{20}	"	8	"	5	2	" "
A_{21}	"	4	"	36	6	Slab End Beam
B	①	40	#5	26	9"	Slab Transverse
C	②	70	#4	6	5"	Curb "
D	Str.	98	"	32	2	Slab Longitudinal
E	③	32	"	7	7	Slab End Beam
F	Str.	24	"	36	0	Curb Longitudinal
R	"	6	#5	8	5	Slab End Beam





DETAILS OF FLOOR DRAINS

Estimated weight of one drain with 5% added for fillets

Cast Iron 17. Lbs.

Aluminum 7. Lbs.

ESTIMATE OF QUANTITIES - FOR SLAB

Concrete, Class "A" 47.7 Cu. Yds.

Reinforcement 8,922. Lbs.

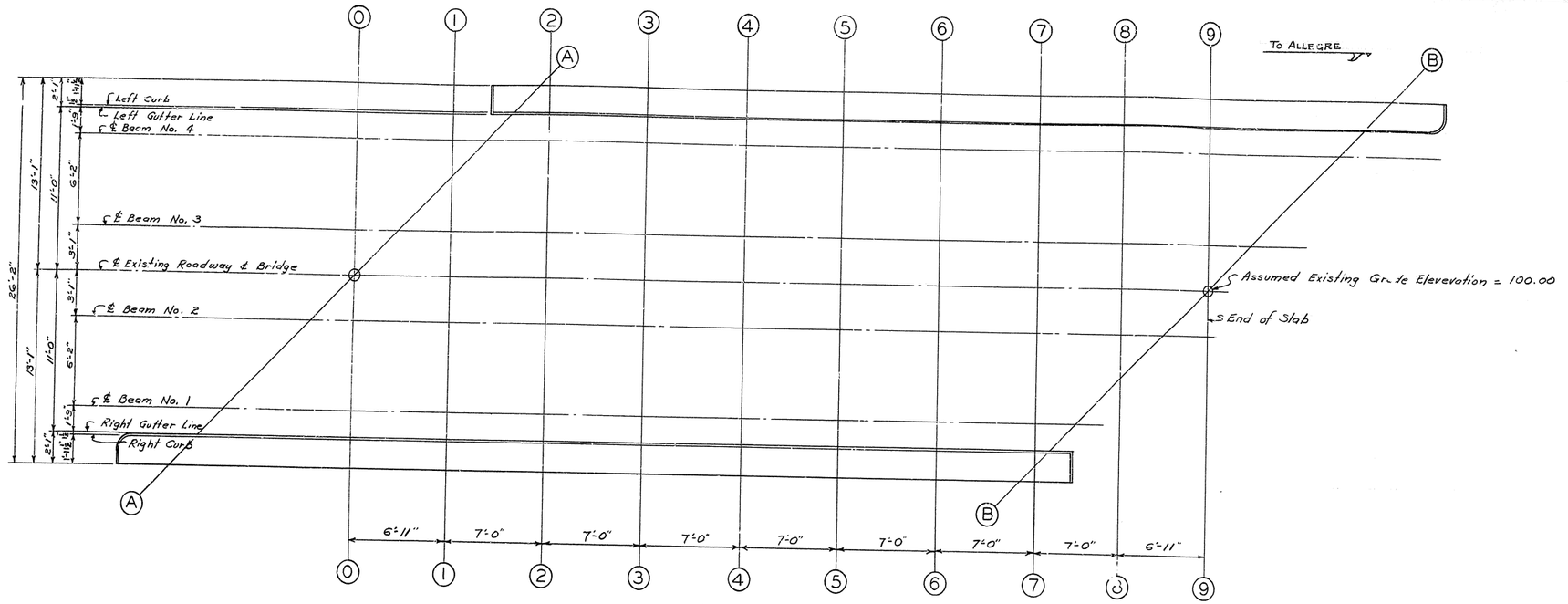
SLAB

DESIGNED BY
DETAILED BY R.L. Nicholson DATE 1/51
TRACED BY
CHECKED BY W.D. Lynch DATE 1/51
REVISED DATE
REVISED DATE
REVISED DATE

Sheet 6 of 8

Repairs to Bridge over Buck Fork Creek

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL - OVIL - ALLEGRE
ROAD
STATION PROJECT NO.
BRIDGE NUMBER MP 24-345-1
DRAWING NO. 13859
BRIDGE



PLAN OF SPAN

TOP OF SLAB ELEVATIONS

SECTION	LEFT CURB	LEFT GUTTER	BEAM No. 4	BEAM No. 3	℄ BRIDGE & EXISTING ROADWAY	BEAM NO. 2	BEAM NO. 1	RIGHT GUTTER	RIGHT CURB
0-0	—	—	—	—	100.000	100.014	100.003	99.988	100.821
1-1	—	—	—	100.019	100.046	100.059	100.037	100.018	100.851
2-2	100.769	99.936	99.974	100.063	100.085	100.091	100.058	100.037	100.870
3-3	100.815	99.982	100.016	100.094	100.110	100.111	100.067	100.042	100.875
4-4	100.848	100.015	100.046	100.113	100.123	100.118	100.068	100.035	100.868
5-5	100.868	100.035	100.063	100.118	100.123	100.113	100.076	100.015	100.848
6-6	100.875	100.042	100.067	100.111	100.110	100.094	100.016	99.982	100.815
7-7	100.870	100.037	100.058	100.091	100.085	100.063	99.976	99.936	100.769
8-8	100.851	100.018	100.037	100.059	100.046	100.019	—	—	—
9-9	100.821	99.988	100.003	100.014	100.000	—	—	—	—
A-A	100.750	99.917	99.942	99.993	100.000	99.993	99.942	99.917	100.750
B-B	100.750	99.917	99.942	99.993	100.000	99.993	99.942	99.917	100.750

DESIGNED BY Bloomenshine CHECKED BY W.G. Lynch DATE 1/58
DETAILED BY CHECKED BY DATE
TRACED BY CHECKED BY DATE
REVISED DATE
REVISED DATE
REVISED DATE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

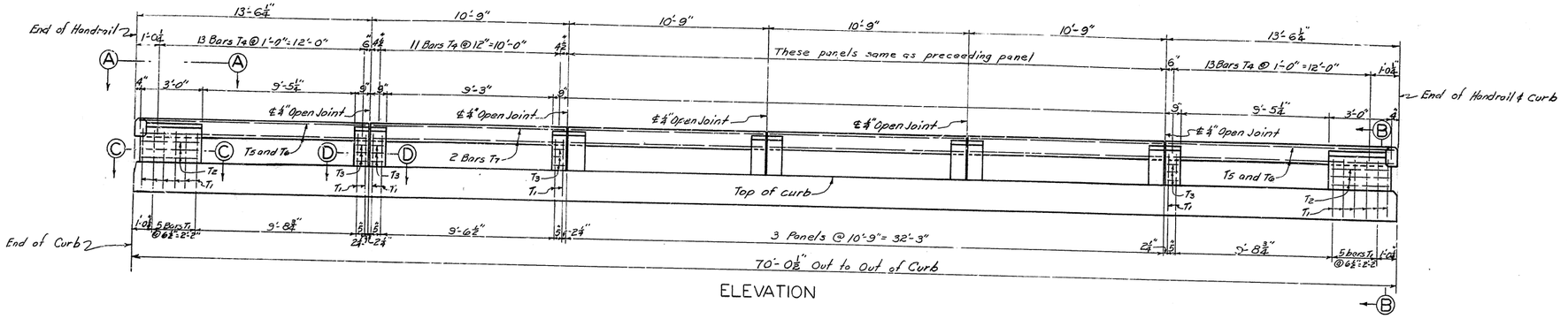
ELEVATIONS

Sheet 7 of 11

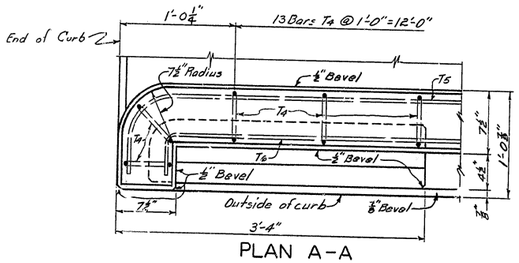
Repairs to Bridge over Buck Fork Creek.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL - OVIL - ALLEGRE
ROAD
STATION **PROJECT NO.**
BRIDGE NUMBER M.P. 24-345-1
DRAWING NO. 1385
INDEX

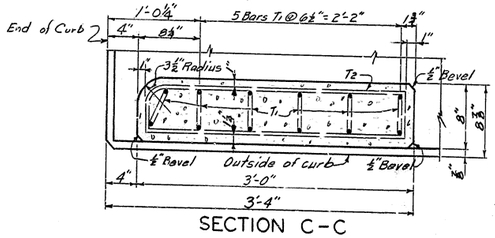
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



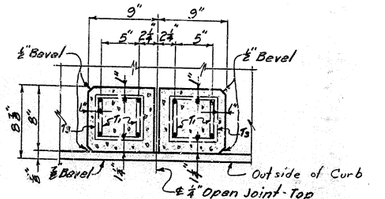
ELEVATION



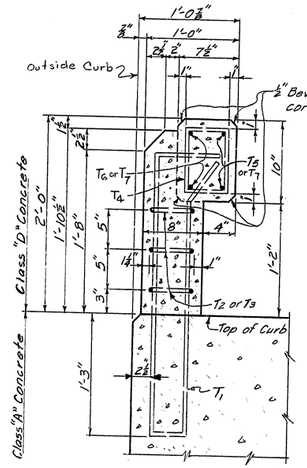
PLAN A-A



SECTION C-C



SECTION D-D
(Intermediate Posts)



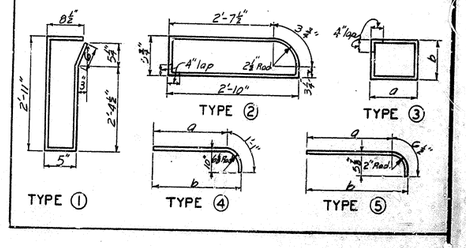
SECTION B-B
(End and Intermediate Posts)

ESTIMATE OF QUANTITIES
FOR TWO RAILS

Concrete Class "D"	3.7	Cu. Yds.
Reinforcement	1,253.	Lbs.

BILL OF REINFORCEMENT
FOR TWO RAILS

MARK	TYPE	NO.	SIZE	LENGTH FT.	LENGTH IN.	LOCATION	a FT.	a IN.	b FT.	b IN.
T1	①	64	#5	6	7	Curb into Posts	–	–	–	–
T2	②	12	#3	7	0	End Post	–	–	–	–
T3	③	60	"	2	6	Intermediate Posts	0	6½	0	5½
T4	"	148	"	2	9	Rails	0	8	0	5½
T5	④	8	#5	13	9	"	12	8	13	2½
T6	⑤	8	"	13	3	"	12	8½	12	10½
T7	Str.	32	"	10	5	"	–	–	–	–



Sheet 8 of 8

Repairs to Bridge over Buck Fork Creek

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
CARL-OVIL-ALLEGRE
ROAD
STATION PROJECT NO.
BRIDGE NUMBER MP 24-345-1
DRAWING NO. 13859
SERIES

HANDRAIL

DRAWN BY
DETAILED BY Stratton DATE 1-52
CHECKED BY M.P. Lynch DATE
CHECKED BY DATE
TRACED BY DATE
REVISED
REVISED
REVISED