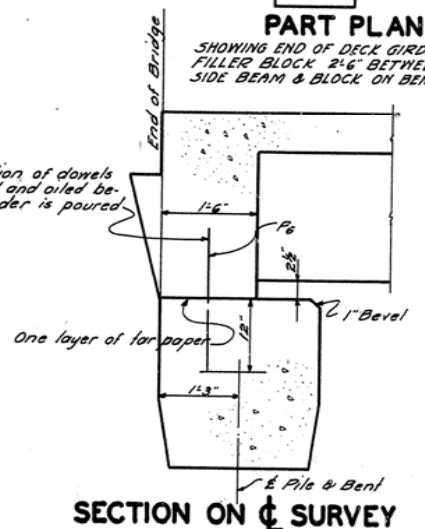
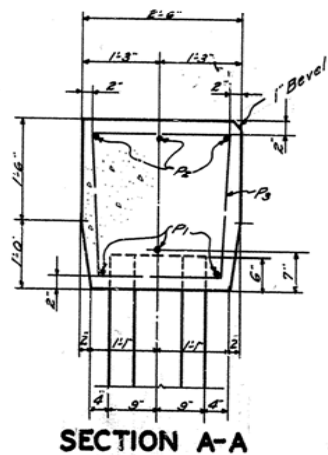
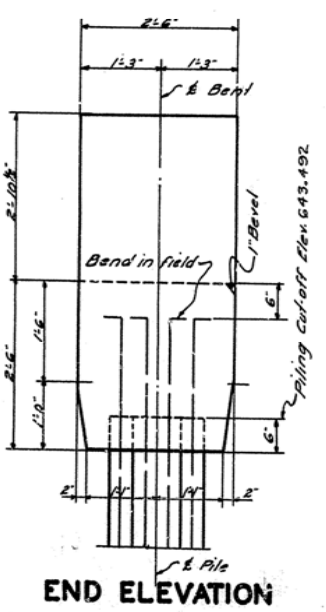
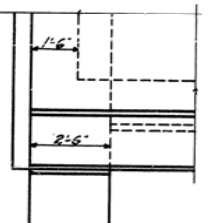
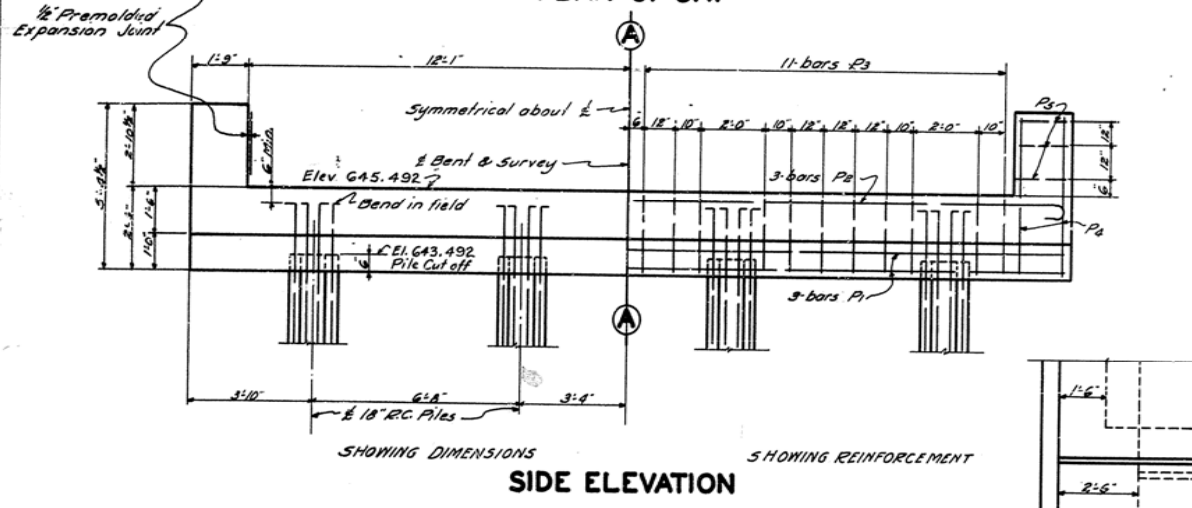
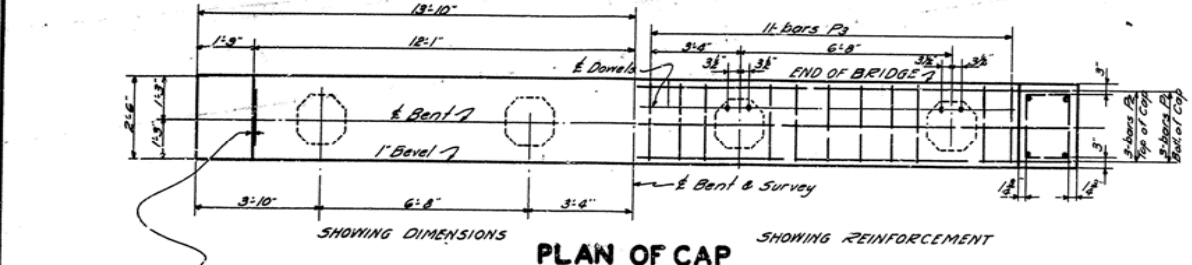
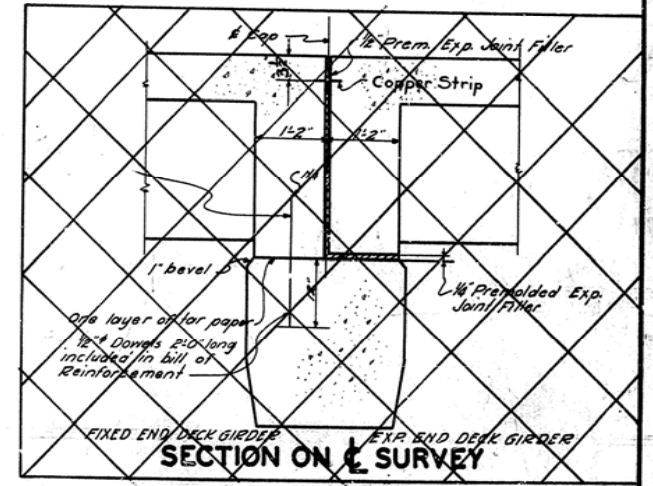
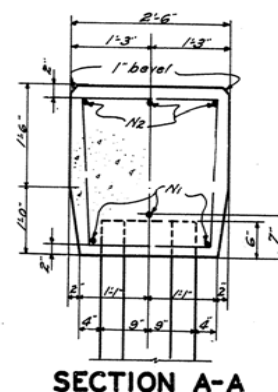
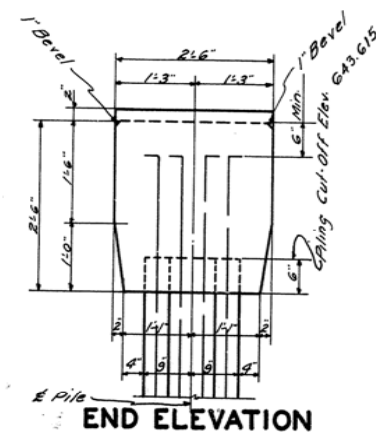
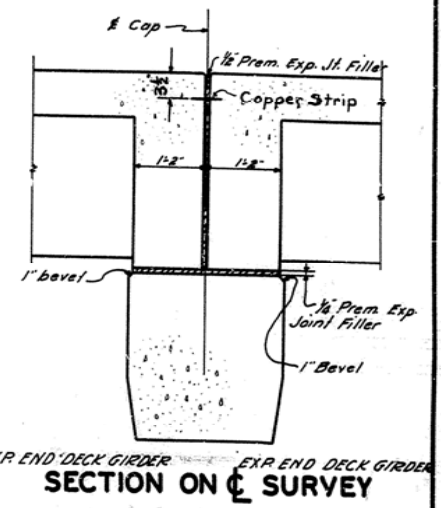
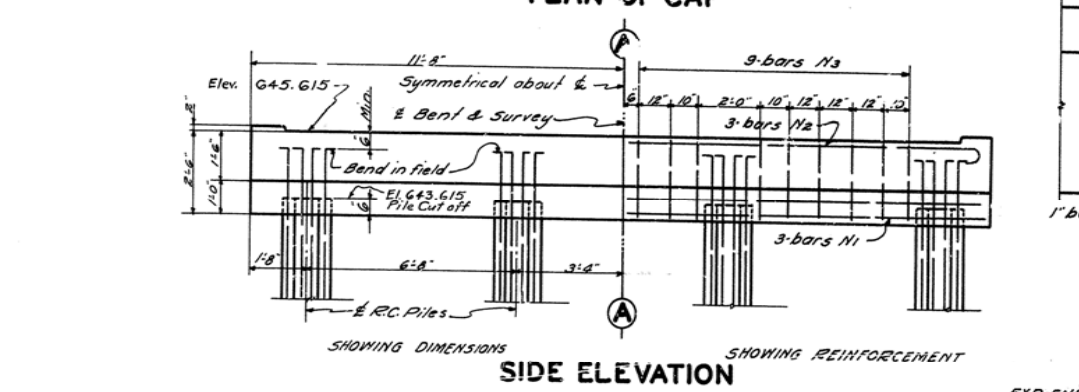
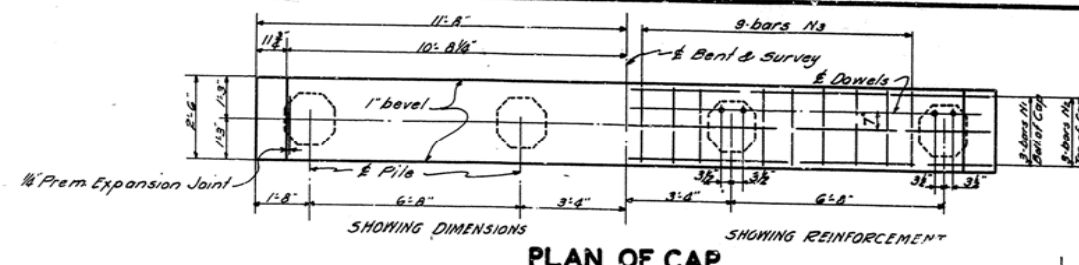




ESTIMATE OF QUANTITIES FOR BENT CAP #1

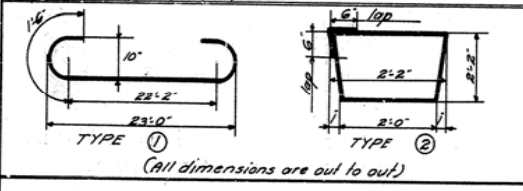
Concrete, Class A	70 Cu Yds
Reinforcement	710 Lbs.

DETAIL OF CAP FOR END BENT NO. 1



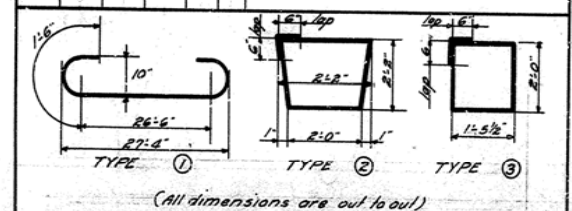
BILL & TYPES OF REINFORCEMENT

MARK	TYPE	NO.	SIZE	LENGTH	FE	IN.	LOCATION
N1	Str	3	1"	23	0		Cap
N2	①	3	-	25	2		
N3	②	18	1/2"	9	2		



BILL & TYPES OF REINFORCEMENT (FOR ONE CAP)

MARK	TYPE	NO.	SIZE	LENGTH	FE	IN.	LOCATION
P1	Str	3	1"	27	4		Cap
P2	①	3	-	23	6		
P3	②	22	1/2"	9	2		
P4	Str	8	-	5	0		Wings
P5	③	6	-	7	7		
P6	Str	8	1/2"	2	0		Dowels in Cap



ESTIMATE OF QUANTITIES (FOR ONE BENT CAP)

BENT #2	
Class A Concrete	5.1 Cu Yds
Reinforcement	530 Lbs.

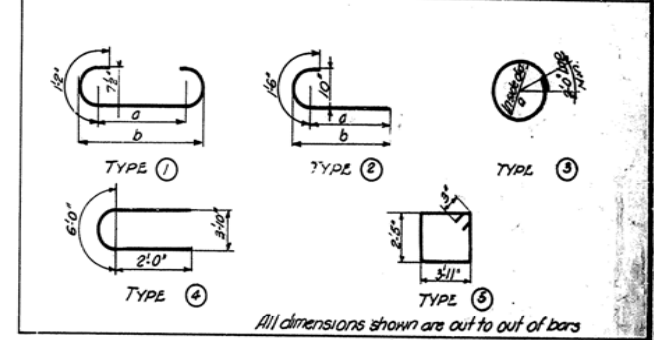
BRIDGE OVER RED RIVER SHEET 2 of 14

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
POWELL
 JEFFERSONVILLE-STANTON
 ROAD
 STATION 488+58.812 PROJECT NO.
 99-20-1 7117

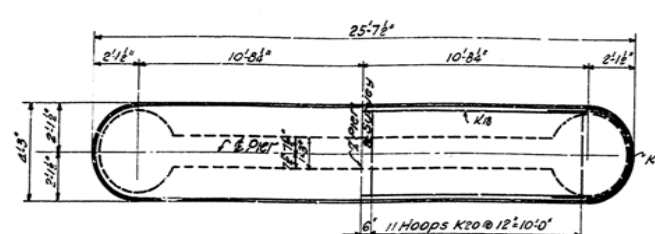
DETAILS OF CAP FOR INTERMEDIATE BENT #2

DESIGNED BY A. G. GRIFFIN DATE 5-31
 CHECKED BY C. MOORE DATE 5-31
 APPROVED BY E. R. S. DATE 6-15

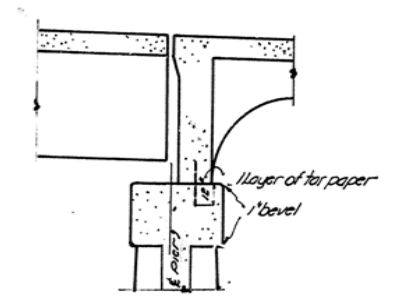
BILL AND TYPES OF REINFORCEMENT — 1 PIER									
MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	a	b		
K1	①	30	3/4"	10	2	FT	IN	FT	IN
K2	Str.	16	1/2"	8	6	7	10	8	5 1/2
K3	①	34	3/4"	9	2				
K4	Str.	18	1/2"	7	6	6	10	7	5 1/2
K5	①	24	1/2"	8	5				
K6	Str.	28	1/2"	4	0	6	11	7	4
K7	*	54	*	21	4				
K8	*	56	*	15	0				
K9	*	48	*	16	3				
K10	①	8	3/4"	12	6				
K11	*	6	*	16	8	4	10 1/2		
K12	*	6	*	16	1	4	7 1/2		
K13	*	6	*	15	6	4	5 1/2		
K14	*	6	*	14	11	4	0 3/4		
K15	*	6	*	14	5	3	10 1/2		
K16	*	6	*	13	9	3	8 1/2		
K17	*	6	*	13	2	3	6		
K18	Str.	16	1/2"	21	4				
K19	①	4	*	10	0				
K20	①	22	1/2"	12	10				
K21	Str.	20	1/2"	2	0				



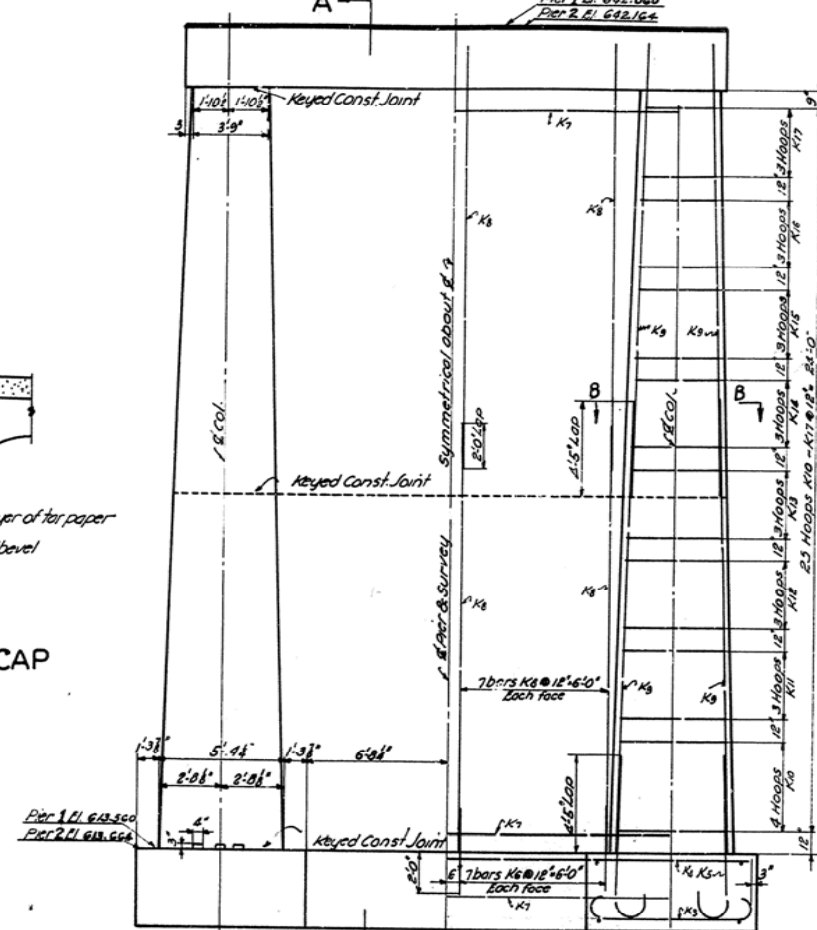
ESTIMATE OF QUANTITIES
 Pier 1 Pier 2
 Concrete Class A cu. 84.8 - 84.8
 Reinforcement lbs. 8010 - 8010



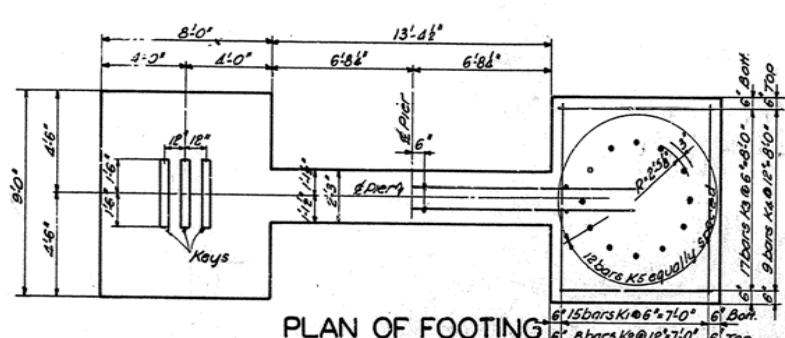
DETAIL OF CAP



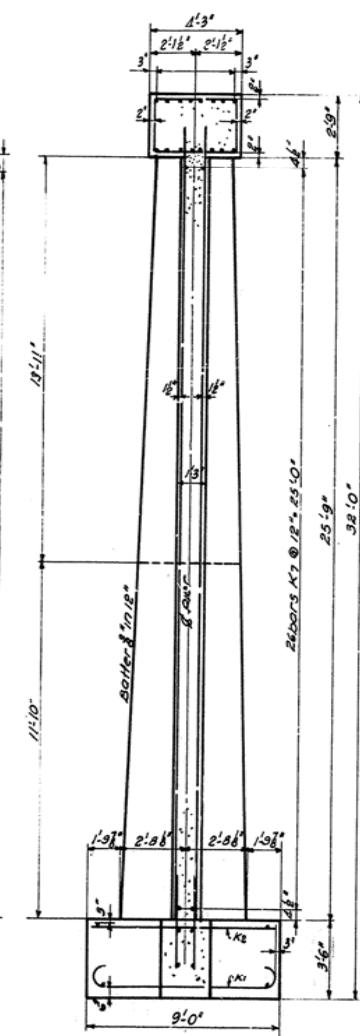
SECTION THRU CAP



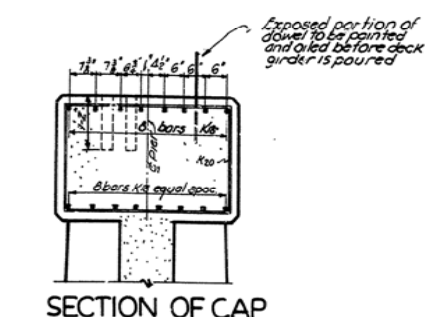
A-ELEVATION



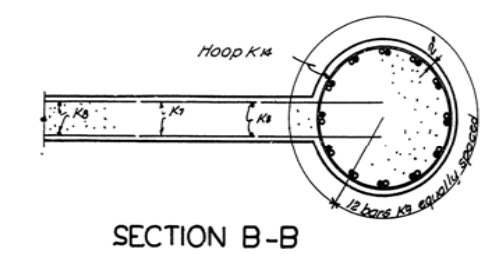
PLAN OF FOOTING



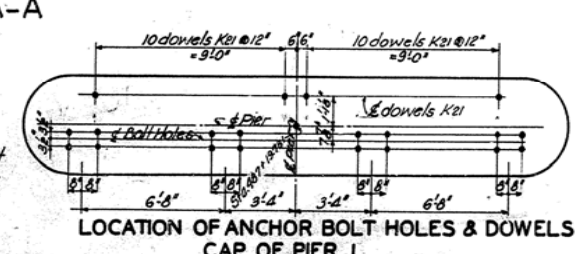
SECTION A-A



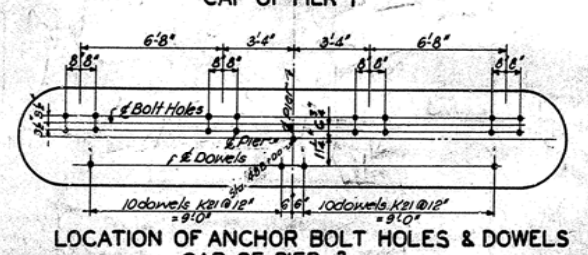
SECTION OF CAP



SECTION B-B



LOCATION OF ANCHOR BOLT HOLES & DOWELS CAP OF PIER 1



LOCATION OF ANCHOR BOLT HOLES & DOWELS CAP OF PIER 2

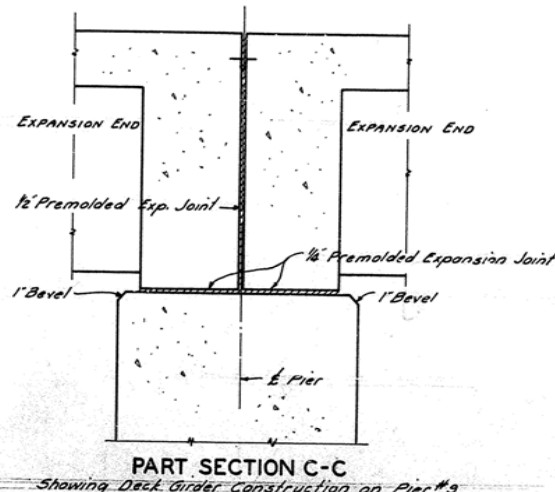
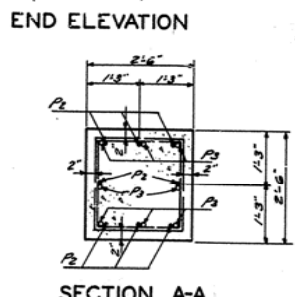
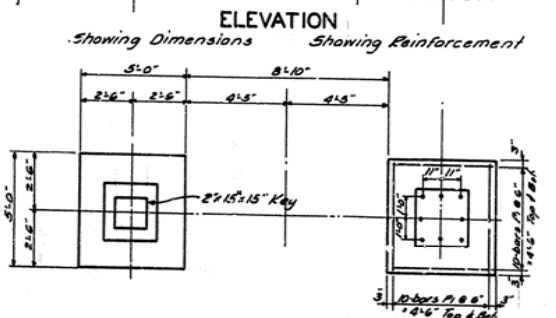
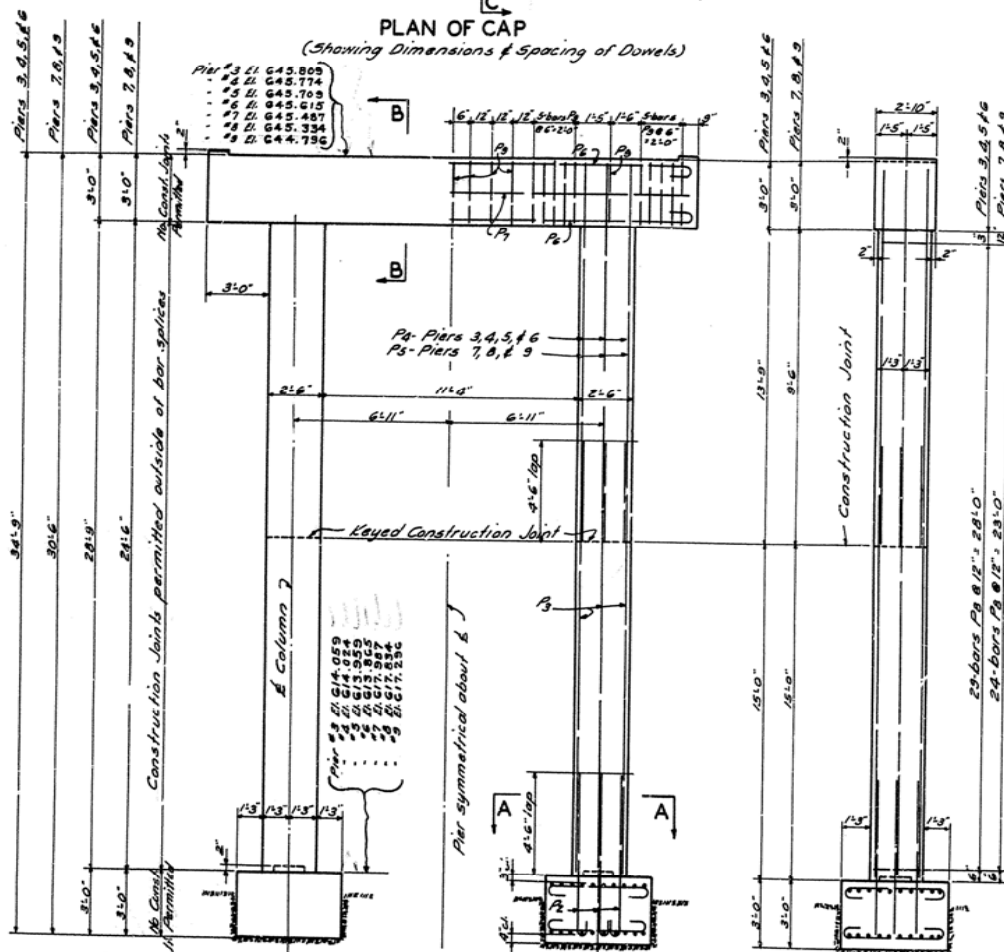
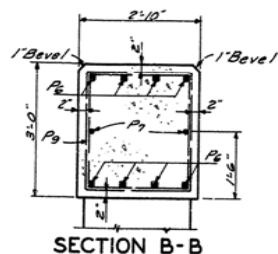
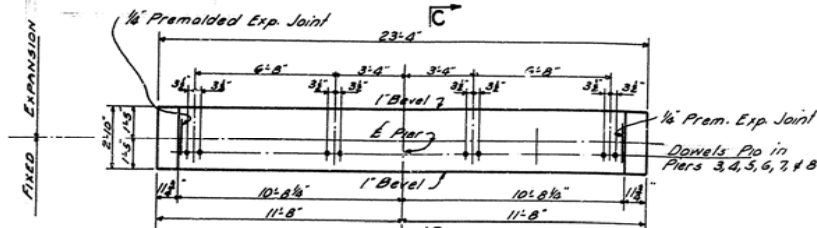
Note: Bolt hole 3" diam.
 1/2" deep. Holes to be kept
 dry in freezing weather.

DETAILS OF PIER 1 & PIER 2

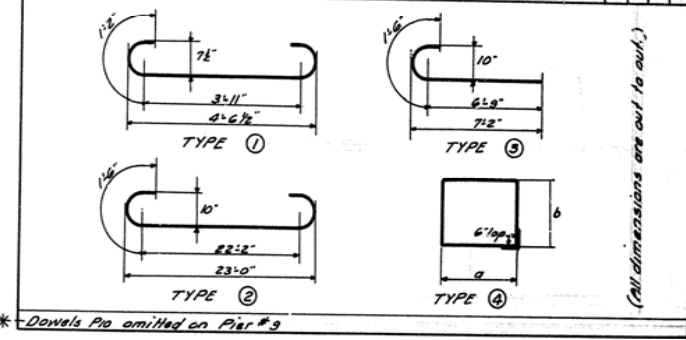
Bridge over Red River SHEET 3 OF 4

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
POWELL
 JEFFERSONVILLE-STANTON
 ROAD
 STATION 488+56.12 PROJECT NO.
 99-20-1

PER. NO.	DATE	PER. NO.	DATE	PER. NO.	DATE	PER. NO.	DATE
7	KY.						



BILL & TYPES OF REINFORCEMENT									
MARK	TYPE	NUMBER	SIZE	LENGTH	LOCATION	QTY	QTY	QTY	QTY
P1	①	80	80	3/4"	Footings	-	-	-	-
P2	②	16	16	1"	Dowels - Footing into Column	-	-	-	-
P3	5th	16	16	19	Columns	-	-	-	-
P4	-	16	-	16	Columns Piers 3-4-5 & 6	-	-	-	-
P5	-	16	-	12	Columns Piers 7-8 & 9	-	-	-	-
P6	②	8	8	1"	Cap	-	-	-	-
P7	5th	2	2	1"	-	-	-	-	-
P8	②	58	48	3/4"	Hoops - Columns	2	2	2	2
P9	-	28	28	11	Hoops - Caps	2	2	2	2
P10	5th	8	8	1/2"	Dowels	-	-	-	-



ESTIMATE OF QUANTITIES							
	PIER #3	PIER #4	PIER #5	PIER #6	PIER #7	PIER #8	PIER #9
Concrete, Class "A" - Cu Yds.	26.2	26.2	26.2	26.2	24.5	24.3	24.5
Reinforcement - Lbs.	4180	4180	4180	4180	3920	3920	3940

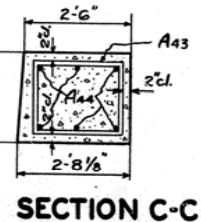
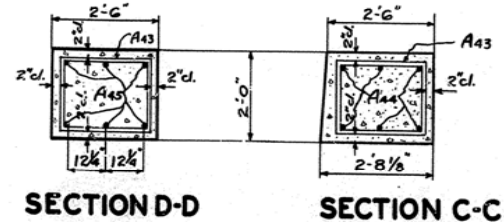
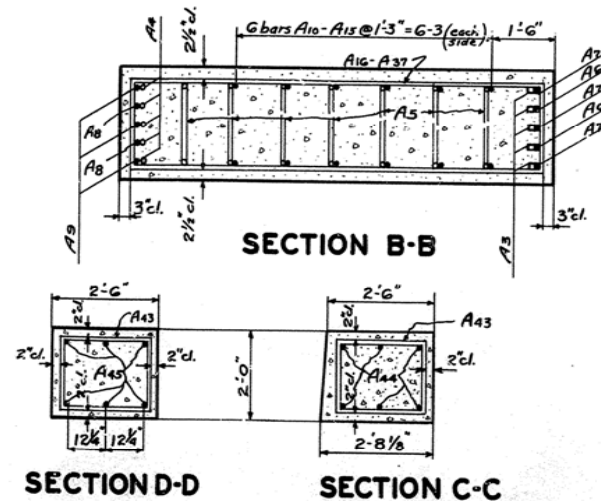
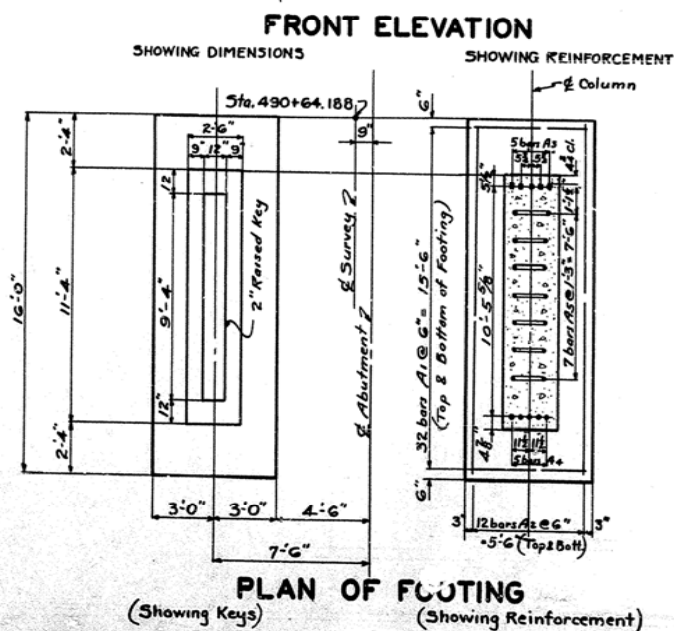
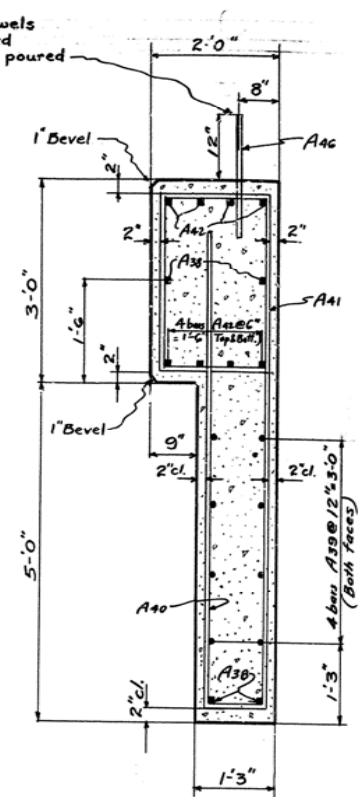
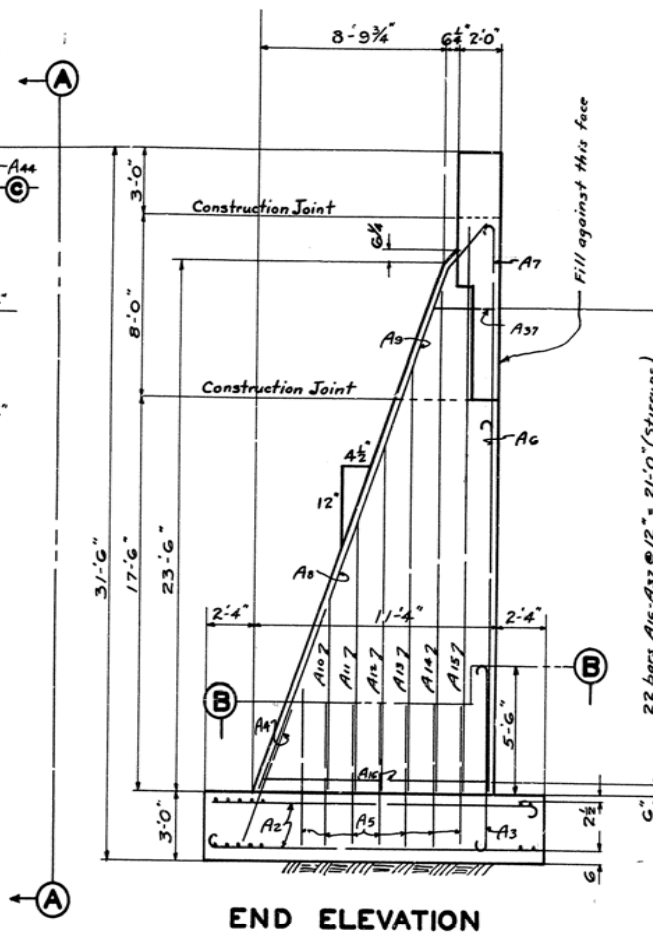
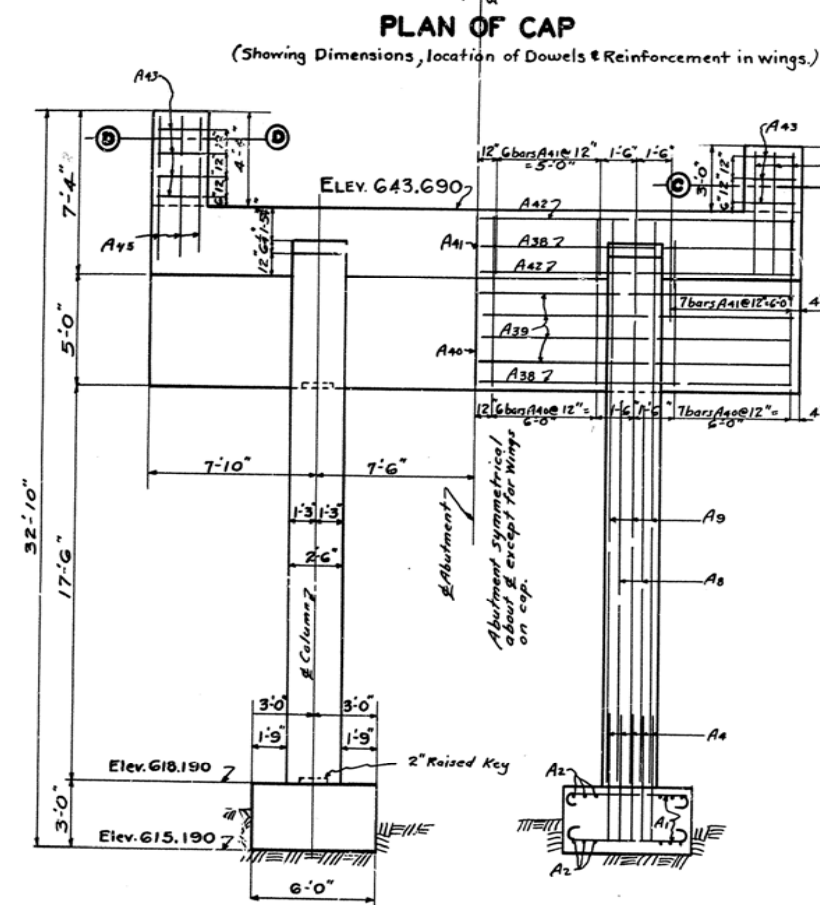
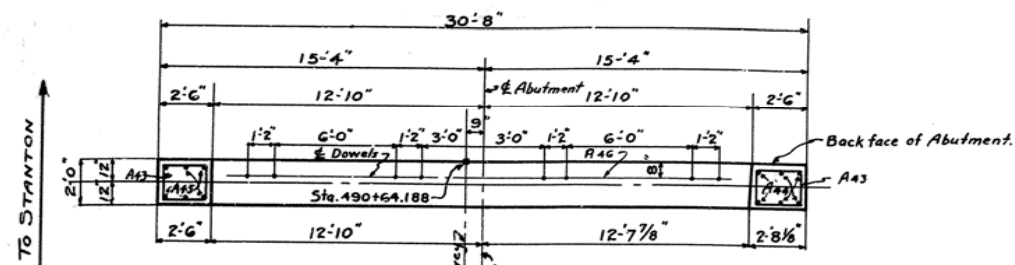
DESIGNED BY: A. B. Smith
 CHECKED BY: C. Moore
 DATE: 5-31
 DATE: 5-31
 DATE: 5-31
 DATE: 5-31

DETAILS OF PIERS 3, 4, 5, 6, 7, 8 & 9

BRIDGE OVER RED RIVER

SHEET 4 OF 14

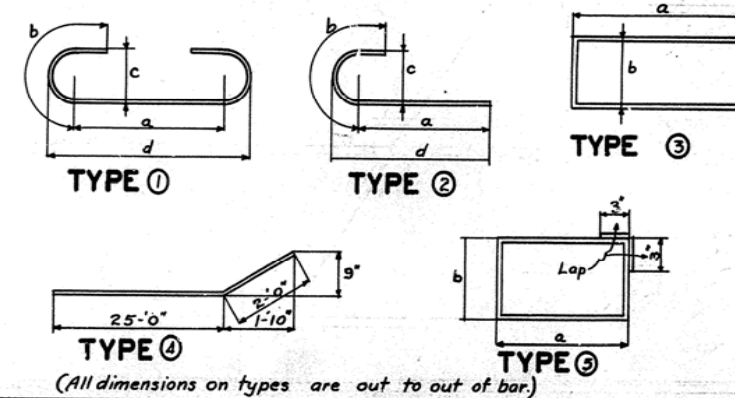
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 POWELL
 JEFFERSONVILLE-STANTON
 ROAD
 STATION 488+58.8/2 PROJECT NO.
 99-20-1



Exposed portion of Dowels
to be painted and oiled
before Deck Girder is poured

BILL & TYPES OF REINFORCEMENT

MARK	TYPE	No.	SIZE	LENGTH		LOCATION	a		b	c		d		
				Feet	ins		ft.	in.		ft.	in.	ft.	in.	
A1	①	128	3/4" #	7	4	Footings	5	0	1	2	0	7 1/2	5	7 1/2
A2	②	48	"	16	6	"	15	4	1	2	0	7 1/2	15	7 1/2
A3	①	10	1 1/4" #	10	8	Dowels	7	0	1	10	1	0 1/2	8	0 1/2
A4	Str.	10	3/8" #	6	6	"	-	-	-	-	-	-	-	-
A5	③	14	"	14	6	"	6	4	2	0	-	-	-	-
A6	②	4	1 1/4" #	17	10	Columns	16	0	1	10	1	0 1/2	16	6 1/2
A7	"	6	"	26	4	"	24	6	1	10	1	0 1/2	25	0 1/2
A8	Str.	4	7/8" #	17	6	"	-	-	-	-	-	-	-	-
A9	④	6	"	27	0	"	-	-	-	-	-	-	-	-
A10	Str.	4	"	9	4	"	-	-	-	-	-	-	-	-
A11	"	4	"	12	8	"	-	-	-	-	-	-	-	-
A12	"	4	"	16	0	"	-	-	-	-	-	-	-	-
A13	"	4	"	19	4	"	-	-	-	-	-	-	-	-
A14	"	4	"	22	8	"	-	-	-	-	-	-	-	-
A15	"	4	"	25	0	"	-	-	-	-	-	-	-	-
A16	⑤	2	1/2" #	25	8	Hoops in Columns	10	8	2	1	-	-	-	-
A17	"	2	"	24	11	"	10	3 1/2	2	1	-	-	-	-
A18	"	2	"	24	2	"	9	11	2	1	-	-	-	-
A19	"	2	"	23	5	"	9	6 1/2	2	1	-	-	-	-
A20	"	2	"	22	8	"	9	2	2	1	-	-	-	-
A21	"	2	"	21	11	"	8	9 1/2	2	1	-	-	-	-
A22	"	2	"	21	2	"	8	5	2	1	-	-	-	-
A23	"	2	"	20	5	"	8	0 1/2	2	1	-	-	-	-
A24	"	2	"	19	8	"	7	8	2	1	-	-	-	-
A25	"	2	"	18	11	"	7	3 1/2	2	1	-	-	-	-
A26	"	2	"	18	2	"	6	11	2	1	-	-	-	-
A27	"	2	"	17	5	"	6	6 1/2	2	1	-	-	-	-
A28	"	2	"	16	8	"	6	2	2	1	-	-	-	-
A29	"	2	"	15	11	"	5	9 1/2	2	1	-	-	-	-
A30	"	2	"	15	2	"	5	5	2	1	-	-	-	-
A31	"	2	"	14	5	"	5	0 1/2	2	1	-	-	-	-
A32	"	2	"	13	8	"	4	8	2	1	-	-	-	-
A33	"	2	"	12	11	"	4	3 1/2	2	1	-	-	-	-
A34	"	2	"	12	2	"	3	11	2	1	-	-	-	-
A35	"	2	"	11	5	"	3	6 1/2	2	1	-	-	-	-
A36	"	2	"	10	8	"	3	2	2	1	-	-	-	-
A37	"	2	"	9	11	"	2	9 1/2	2	1	-	-	-	-
A38	Str.	4	1" #	30	4	Cap & Curtain Wall	-	-	-	-	-	-	-	-
A39	"	8	3/4" #	30	4	Curtain Wall	-	-	-	-	-	-	-	-
A40	③	27	1/2" #	15	9	"	7	6	0	11	-	-	-	-
A41	⑤	27	"	8	10	Cap	2	8	1	8	-	-	-	-
A42	①	8	1" #	32	6	"	29	6	1	6	0	10	30	4
A43	⑤	7	1/2" #	7	10	Wings	2	2	1	8	-	-	-	-
A44	Str.	6	"	5	6	"	-	-	-	-	-	-	-	-
A45	"	6	"	6	10	"	-	-	-	-	-	-	-	-
A46	"	8	1/2" #	2	0	Dowels in Cap	-	-	-	-	-	-	-	-



ESTIMATE OF QUANTITIES

CONCRETE CLASS "A"	65.3	Cu.Yds.
REINFORCEMENT	9280	LBS.

Bridge over Red River Sheet 5 of 14

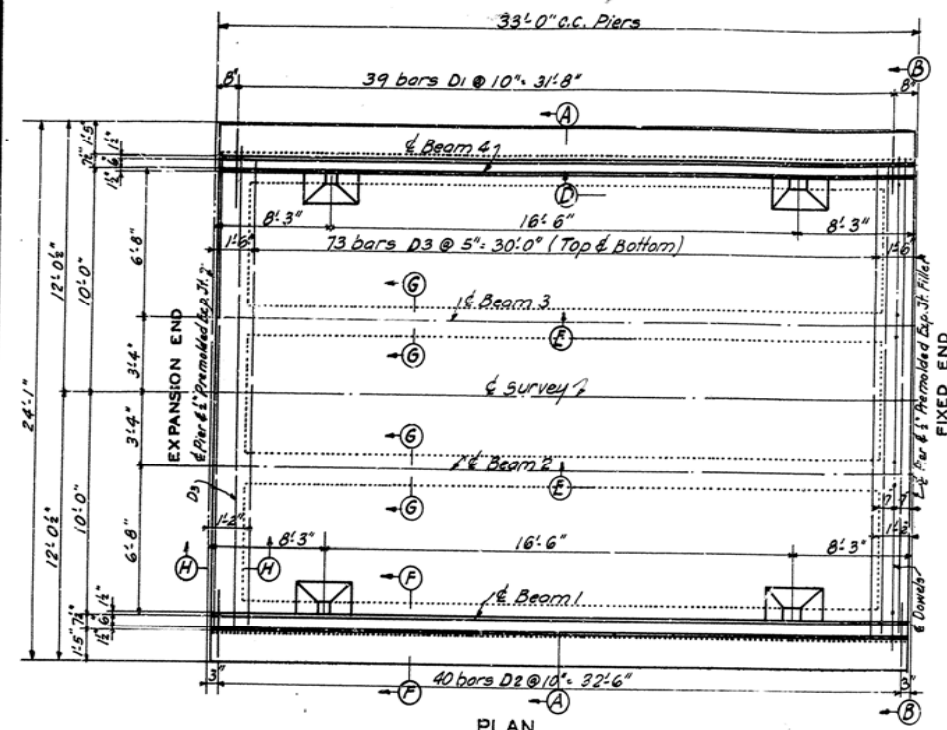
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
POWELL
JEFFERSONVILLE - STANTON

ROAD

STATION 488+58.812 **PROJECT NO.**

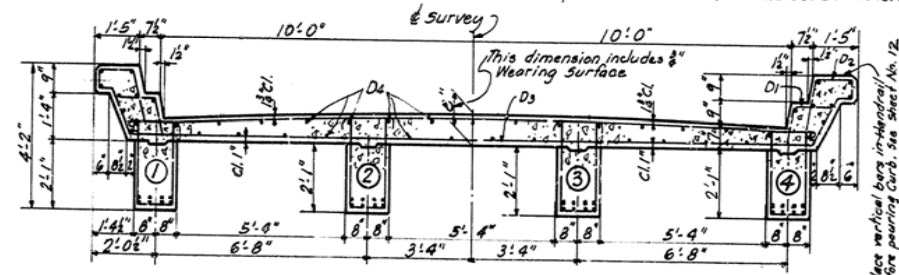
99-20-1	DRAWING No. 7117	INDEX
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DESIGNED BY: N.D.G. DATE: 2/17/37
 CHECKED BY: D.L.O. DATE: 5/31/37
 REVISIONS: 1. DATE: 7/1/37
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 84. DATE: 7/1/37
 85. DATE: 7/1/37
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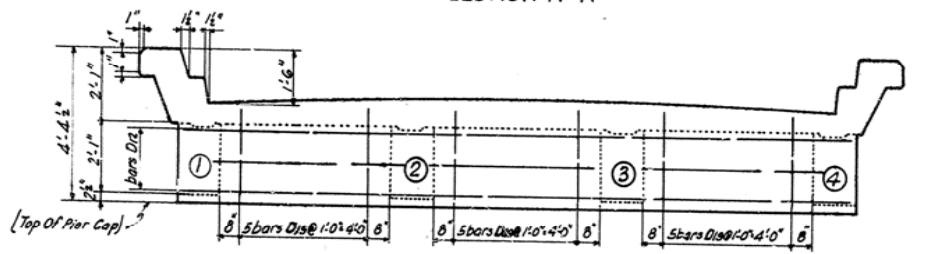


PLAN

NOTE: For drain details see sheet No. 11

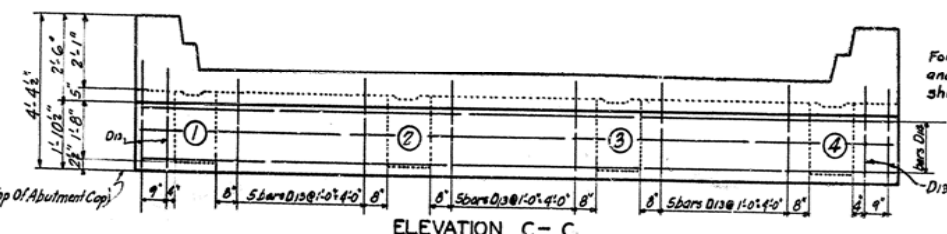


SECTION A-A

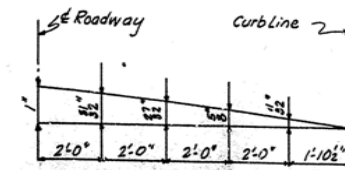


ELEVATION E-B

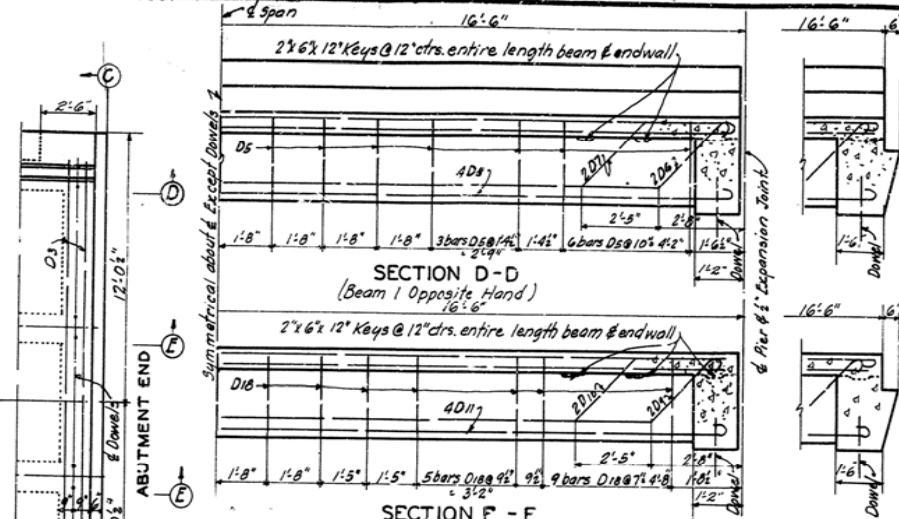
TYPICAL FOR ALL ENDWALL EXCEPT OVER ABUTMENTS & OVER PIERS (1, 2, 3)



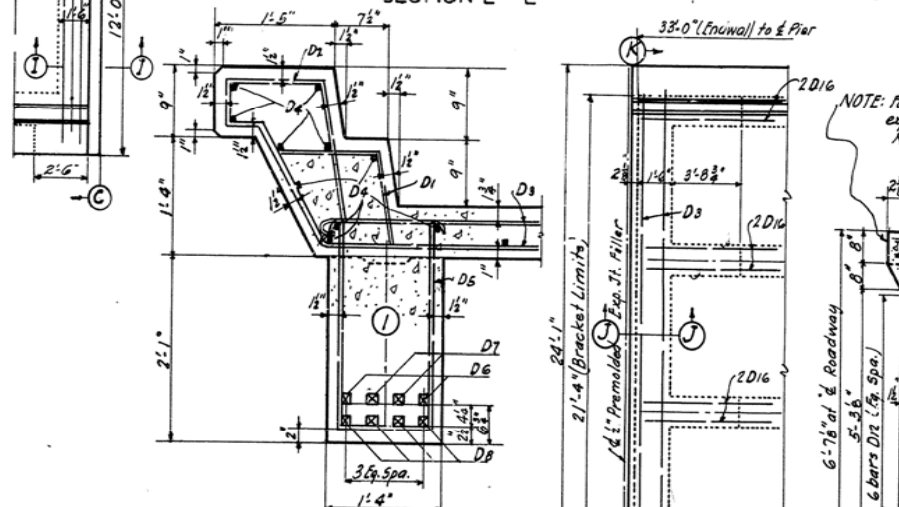
ELEVATION C-C



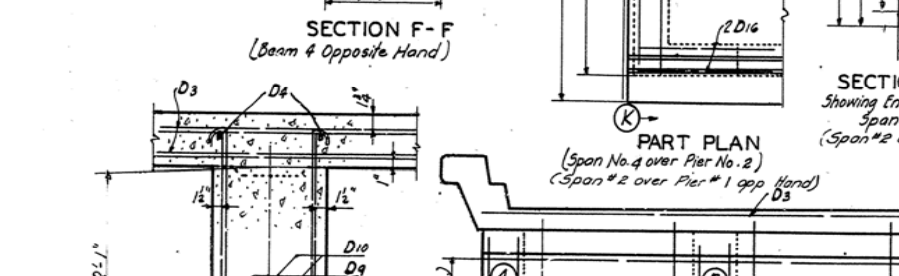
ORDINATES (Showing Roadway Crown)



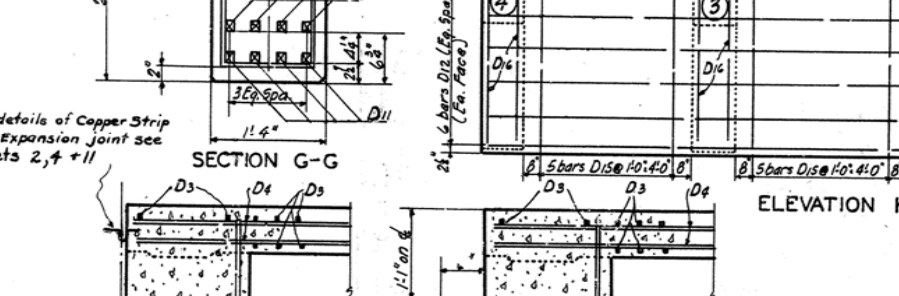
SECTION D-D (Beam 1 Opposite Hand)



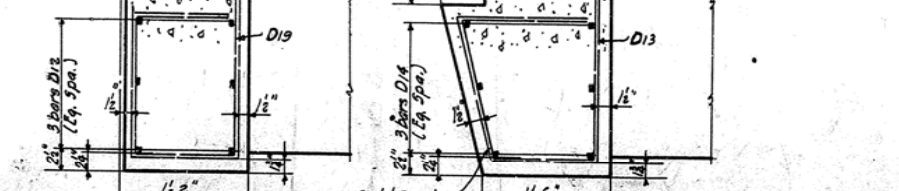
SECTION E-E



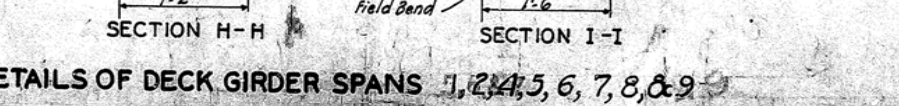
SECTION F-F (Beam 4 Opposite Hand)



SECTION G-G



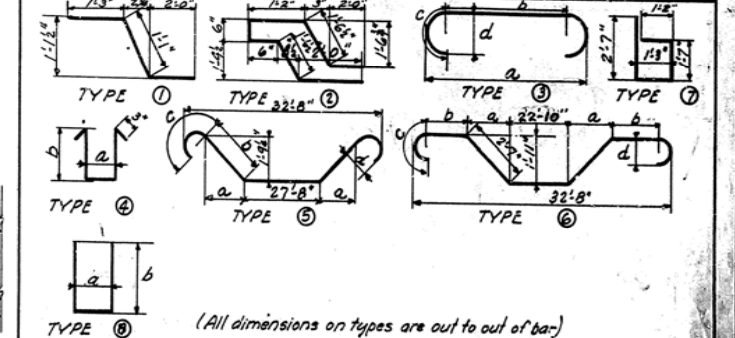
SECTION H-H



SECTION I-I

DETAILS OF DECK GIRDER SPANS 1, 2, 4, 5, 6, 7, 8, & 9

BILL AND TYPES OF REINFORCEMENT									
MARK	TYPE	SPAN NO.	REINFORCEMENT	LOCATION	FE	IN	FE	IN	TOTAL
D1	①	78	78	8	9				
D2	②	80	80	8	9				
D3	③	150	150	22	10				
D4	④	45	45	32	8				
D5	⑤	50	50	6	1				
D6	⑥	4	4	32	35				
D7	⑦	4	4	32	36				
D8	⑧	8	8	64	34				
D9	⑨	4	4	32	35				
D10	⑩	4	4	32	36				
D11	⑪	8	8	64	34				
D12	⑫	6	6	12	102				
D13	⑬	19	19	6	4				
D14	⑭	6	6	23	9				
D15	⑮	15	15	30	13				
D16	⑯	8	8	16	9				
D17	⑰	45	45	30	32				
D18	⑱	70	70	30	6				
D19	⑲	15	15	30	5				



ESTIMATE OF QUANTITIES

Concrete, Class "A"	406 Cu.Yds.
Reinforcement	11030 Lbs.
Concrete, Class "A"	44.9 Cu.Yds.
Reinforcement	11310 Lbs.
Concrete, Class "A"	44.9 Cu.Yds.
Reinforcement	11310 Lbs.
Concrete, Class "A"	39.2 Cu.Yds.
Reinforcement	10980 Lbs.
Concrete, Class "A"	39.2 Cu.Yds.
Reinforcement	10980 Lbs.
Concrete, Class "A"	39.2 Cu.Yds.
Reinforcement	10980 Lbs.
Concrete, Class "A"	39.2 Cu.Yds.
Reinforcement	10980 Lbs.
Concrete, Class "A"	39.2 Cu.Yds.
Reinforcement	10980 Lbs.

Bridge over Red River SHEET 6 OF 14

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
POWELL
 JEFFERSONVILLE-STANTON

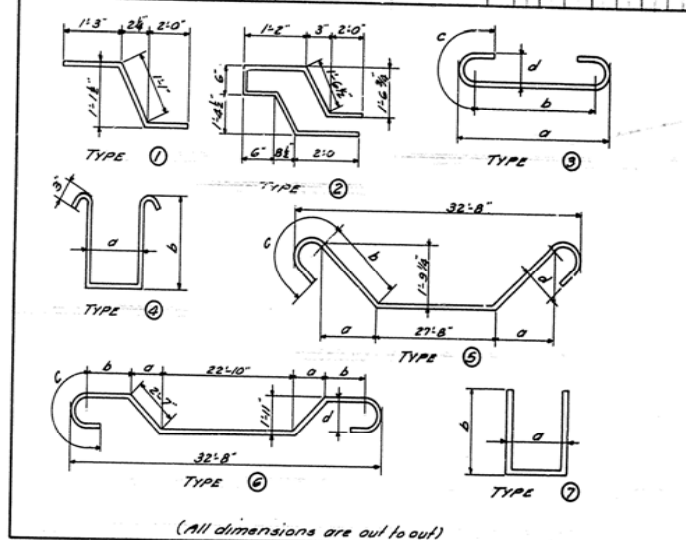
ROAD PROJECT NO.
 STATION 488+58.812

99-20-1

[REVISED]

BILL & TYPES OF REINFORCEMENT

MARK	TYPE	NO.	SIZE	LENGTH Ft. In.	LOCATION	a	b	c	d
F1	①	78	1/2"	4' 2"	Curb	-	-	-	-
F2	②	80	-	8' 9"	-	-	-	-	-
F3	③	150	-	22' 10"	Slab Transverse	21	5	21	0
F4	5H	45	-	32' 8"	Slab Longitudinal	-	-	-	-
F5	④	50	-	6' 1"	Exterior Beams 1 & 4	1	1	2	4
F6	⑤	4	1"	35' 5"	-	1	9 1/2	2	5 1/2
F7	⑥	4	-	36' 0"	-	1	10	2	8
F8	③	8	-	34' 10"	-	32	8	31	10
F9	⑤	4	1 1/8"	35' 10"	Interior Beams 2 & 3	1	7 1/2	2	4
F10	⑥	4	-	36' 6"	-	1	3 1/2	2	7
F11	③	8	-	35' 3"	-	32	7 1/2	31	7
F12	5H	12	1/2"	21' 0"	End Walls	-	-	-	-
F13	⑦	5	-	6' 7"	End Wall over Pier 9	0	11	2	11
F14	-	5	-	6' 3"	-	0	11	2	9
F15	-	5	-	6' 1"	-	0	11	2	8
F16	-	15	-	5' 11"	Endwall over Pier 8	0	11	2	7
F17	④	70	-	6' 3"	Beams 2 & 3	1	1	2	5



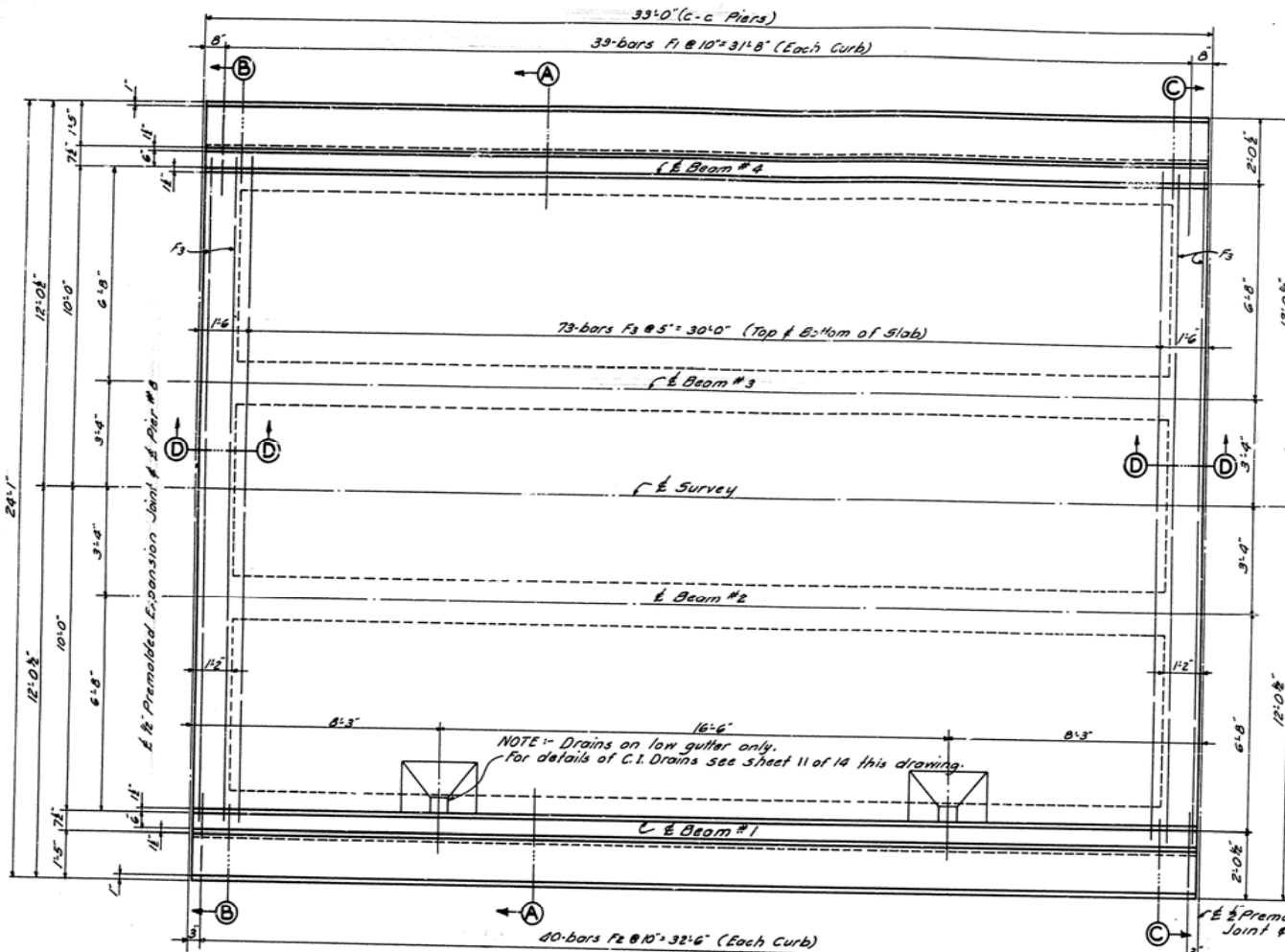
ESTIMATE OF QUANTITIES

Concrete, Class 71 35.2 Cu Yds.
Reinforcement 10,990 lbs.

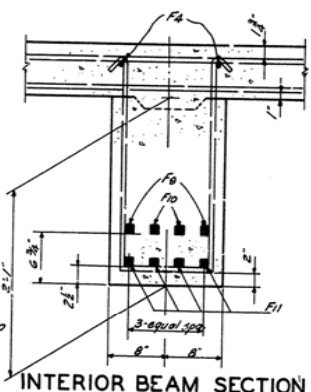
BRIDGE OVER RED RIVER SHEET 7 OF 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
POWELL
JEFFERSONVILLE-STANTON
ROAD
STATION 400+58.812 PROJECT NO.
99-20-1

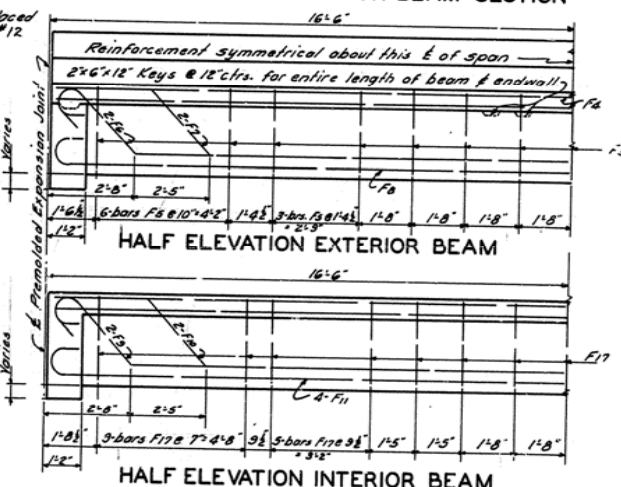
DETAILS OF DECK GIRDER SPAN No. 10



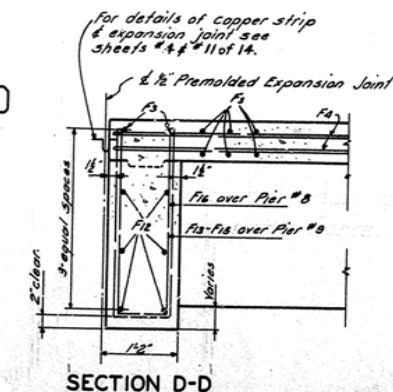
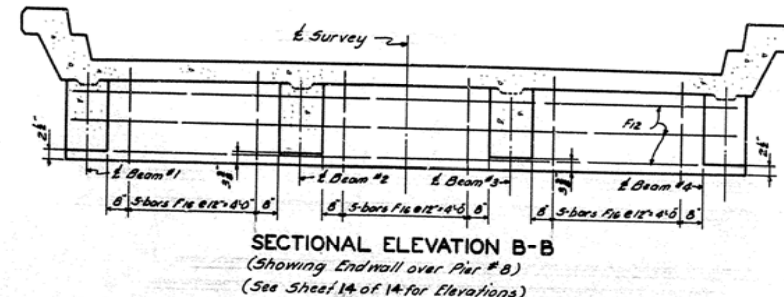
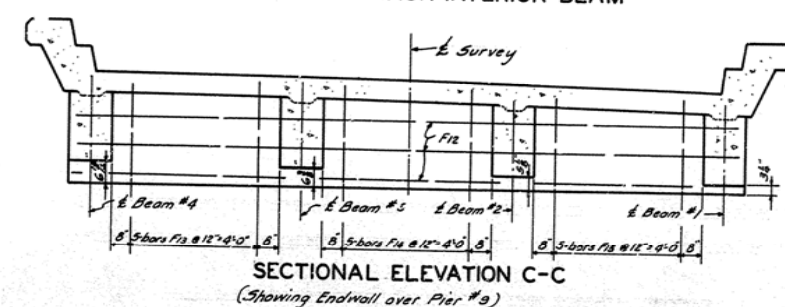
EXTERIOR BEAM SECTION



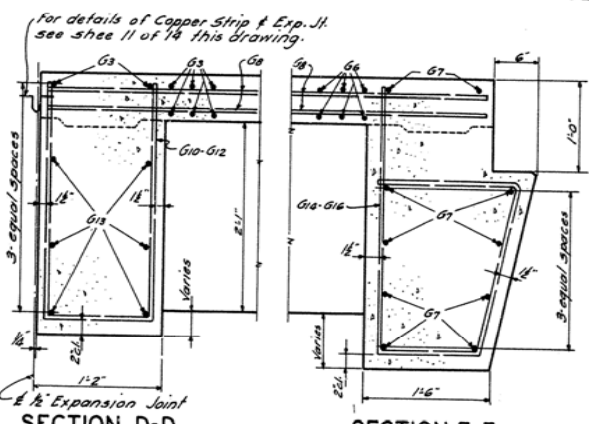
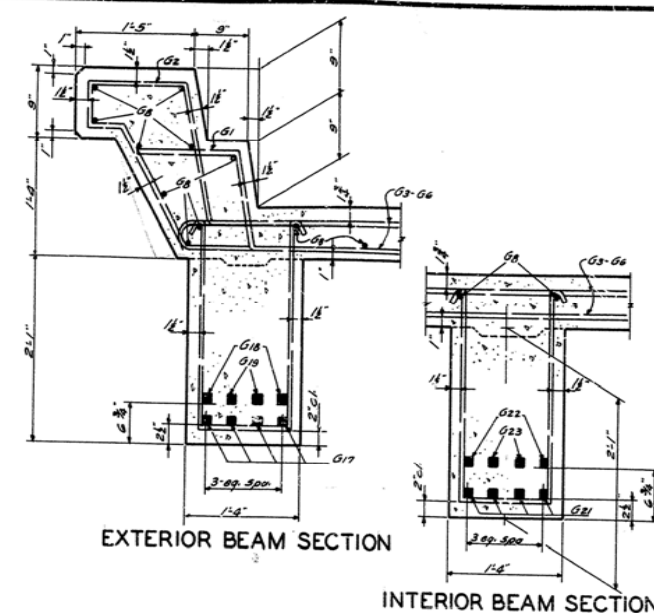
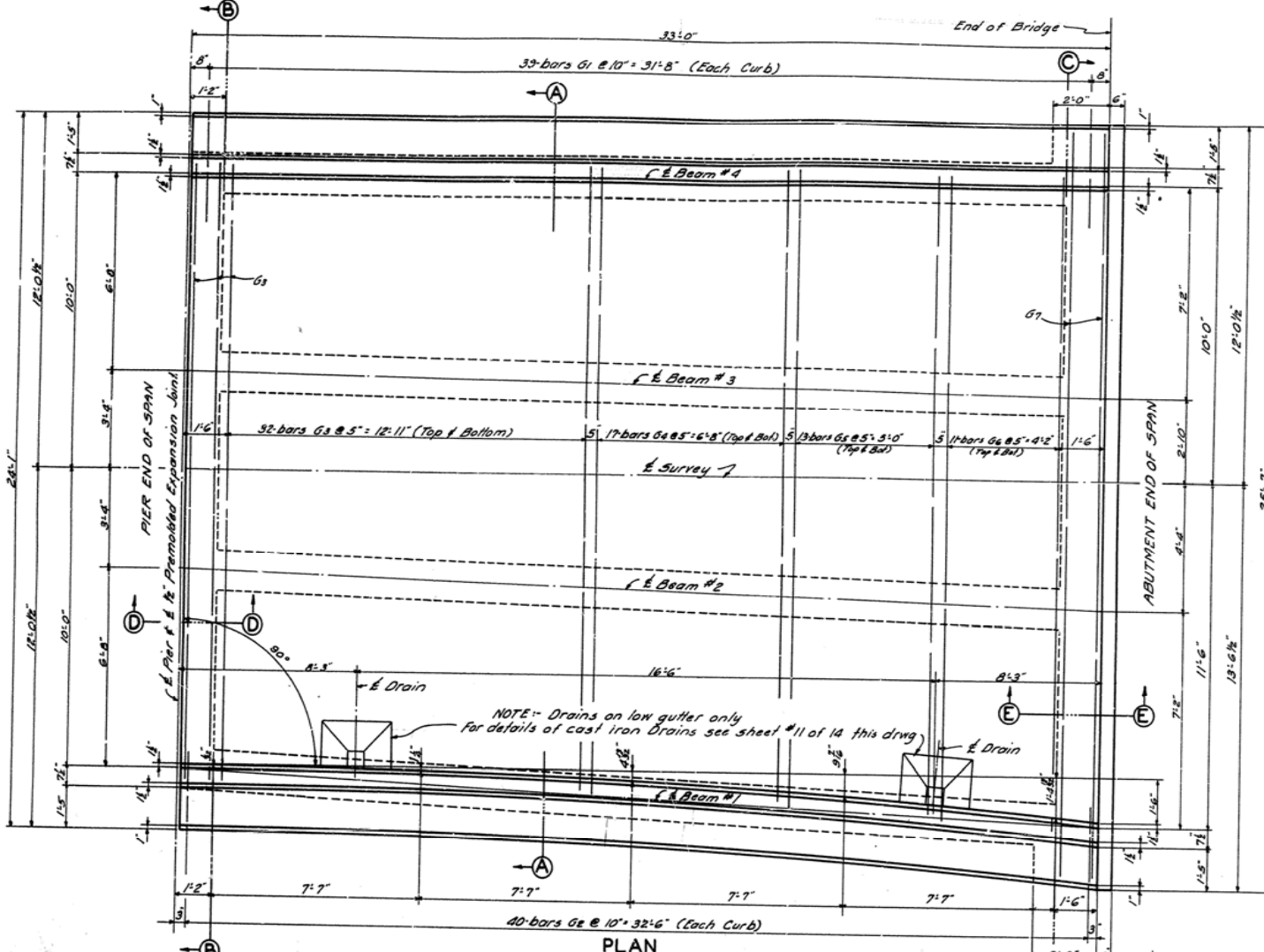
INTERIOR BEAM SECTION



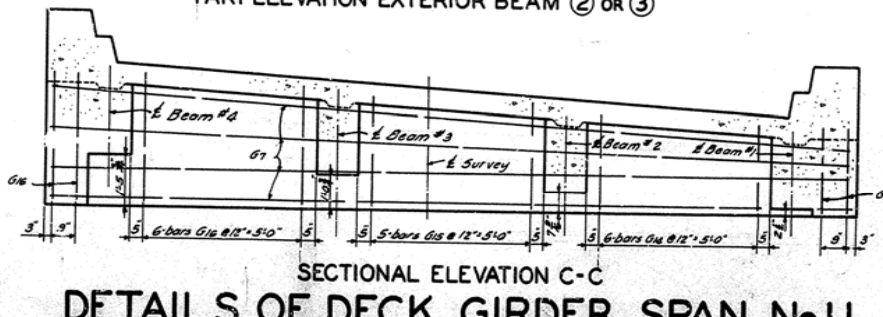
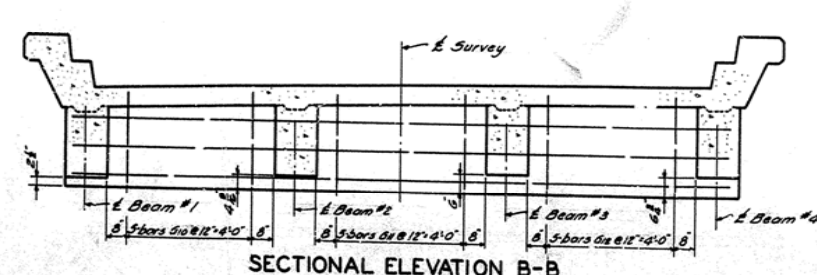
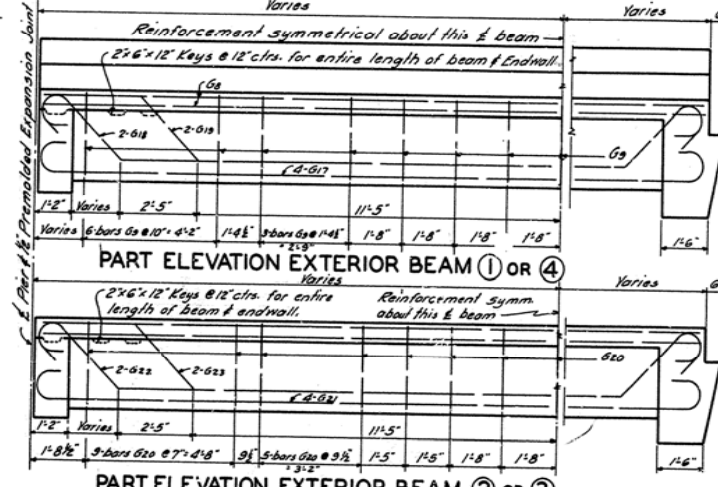
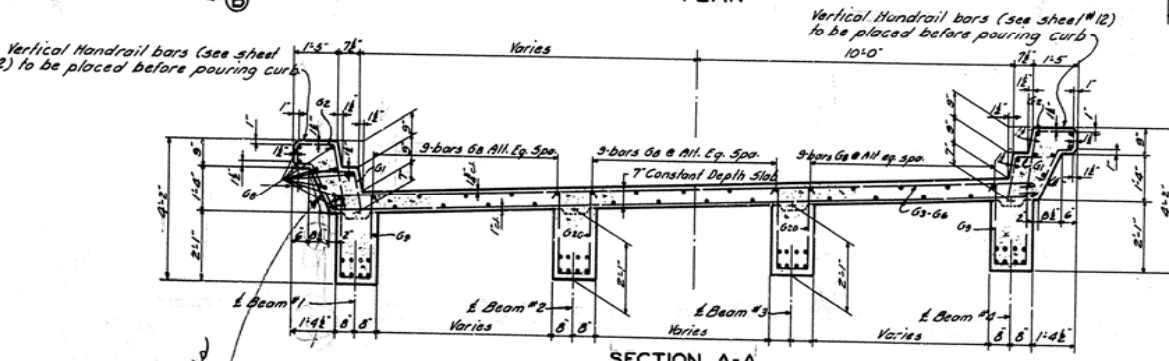
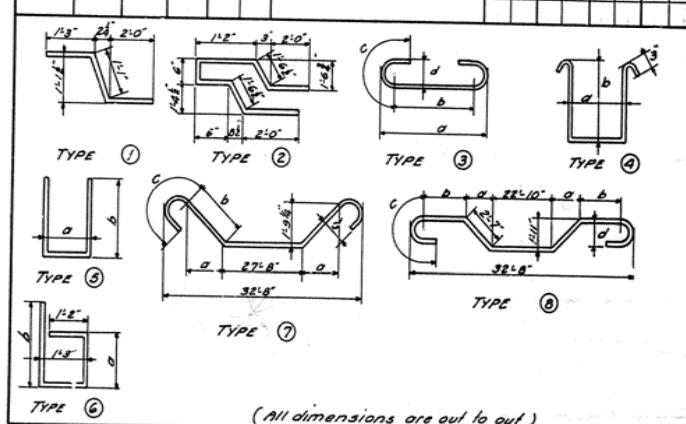
HALF ELEVATION INTERIOR BEAM



SECTION D-D



BILL & TYPES OF REINFORCEMENT													
MARK	TYPE	No.	SIZE	LENGTH	LOCATION	a	b	c	d	e	f	g	h
G1	(1)	78	1/2"	4	Curbs								
G2	(2)	80	-	8									
G3	(3)	66	-	22	Slab Transverse	21	5	21	2	0	10	0	3
G4	-	34	-	23		21	8	21	5	0	10	0	3
G5	-	26	-	23		22	1	21	10	0	10	0	3
G6	-	22	-	23		22	5	22	2	0	10	0	3
G7	5/16"	10	-	25	Endwall & Slab at Abut. End								
G8	-	45	-	32	Slab Longitudinal								
G9	(4)	50	-	6	Stirrups Ext. Beams 1 & 4	1	1	2	4				
G10	(5)	5	-	5	Stirrups Endwall at Pier End	0	11	2	7				
G11	-	5	-	6		0	11	2	9				
G12	-	5	-	6		0	11	2	11				
G13	5/16"	6	-	21	Endwall Pier End								
G14	(6)	8	-	6	Endwall over Abutment	1	7	2	7				
G15	-	6	-	7		2	0	3	0				
G16	-	8	-	8		2	5	3	5				
G17	(3)	8	1"	33	Beams #1 & #4	32	8	31	10	1	6	0	10
G18	(7)	4	-	35		1	9	2	5	1	6	0	10
G19	(8)	4	-	36		1	10	2	8	1	6	0	10
G20	(4)	70	1/2"	6	Beams #2 & #3	1	1	2	5				
G21	(3)	8	1/8"	35		32	7	31	7	1	10	1	0 1/2
G22	(7)	4	-	35		1	7	2	4	1	10	1	0 1/2
G23	(8)	4	-	36		1	9	2	7	1	10	1	0 1/2



DETAILS OF DECK GIRDER SPAN No. 11

ESTIMATE OF QUANTITIES

Concrete, Class "A" 412 Cu. Yds.

Reinforcement 11150 Lbs.

BRIDGE OVER RED RIVER SHEET 8 OF 14

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

POWELL

JEFFERSONVILLE-STANTON

ROAD

STATION 488+58.812 PROJECT NO.

99-20-1

NO. 7117

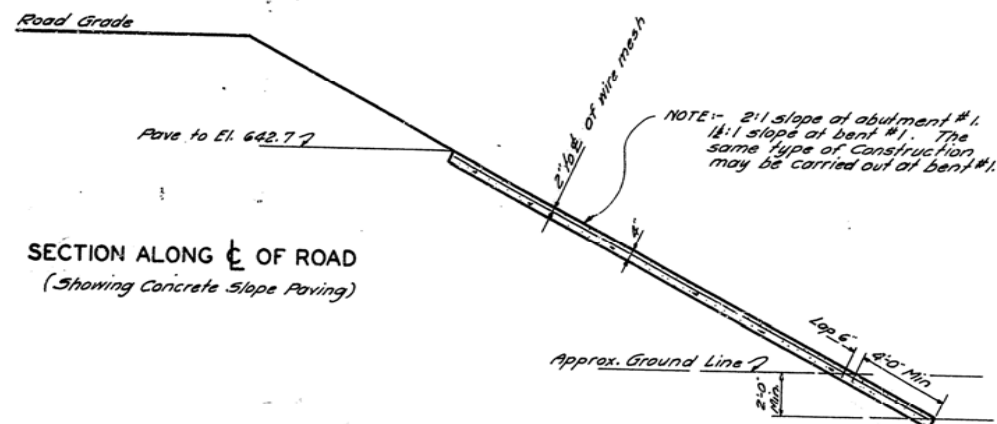
DESIGNED BY: J.B.D. DATE: 5-19

CHECKED BY: C. Moore DATE: 5-25

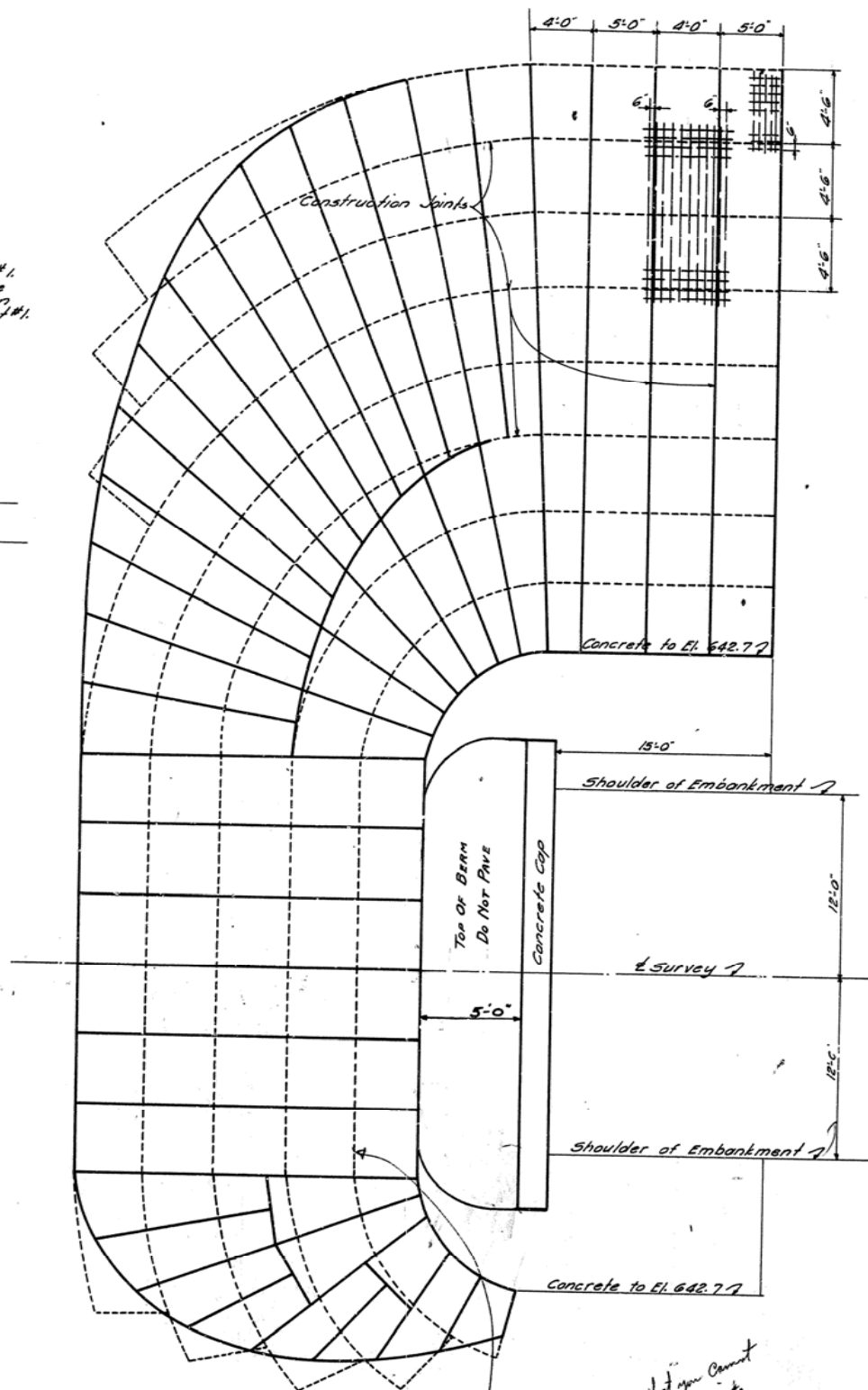
APPROVED BY: E.R.S. DATE: 5-29

This surface was warped on construction on out of round timber setting on straight beam

FED. ROAD DIST.	STATE	FED. ROAD DIST. NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	KY.				



GENERAL NOTE
SPECIFICATIONS— State Highway Department, Kentucky (1932 with amendments).
CONCRETE— Class "A" concrete to be used thruout.
CONCRETE BANK PROTECTION— Concrete Bank Protection to be used from elevations shown to an elevation 2 feet below natural ground line.
REINFORCEMENT— Wire Mesh 6"x6" spacing, weighing at least 25# per sq. ft. & placed in center of 4" slab with wire mesh 'lapped' at 6" at all edges.
CONSTRUCTION— Slabs may be poured in horizontal or vertical strips. Adjacent strips not to be poured sooner than 24 hours apart. Price bid for concrete to include reinforcement, shaping of slopes, & all necessary excavation, & backfill. All construction joints to be normal to slab.

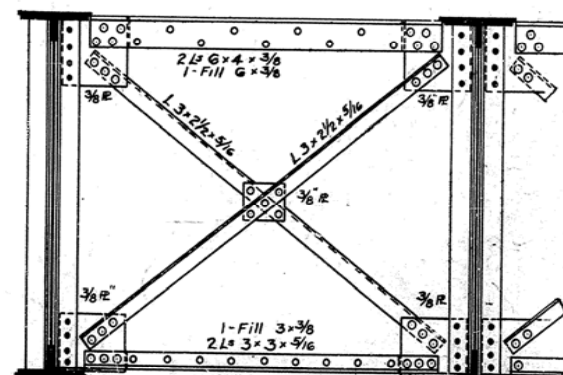
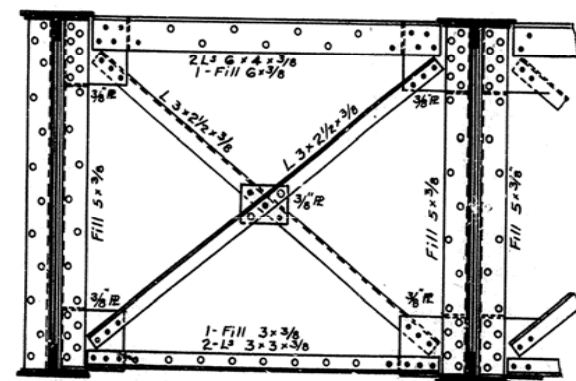
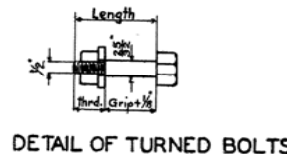
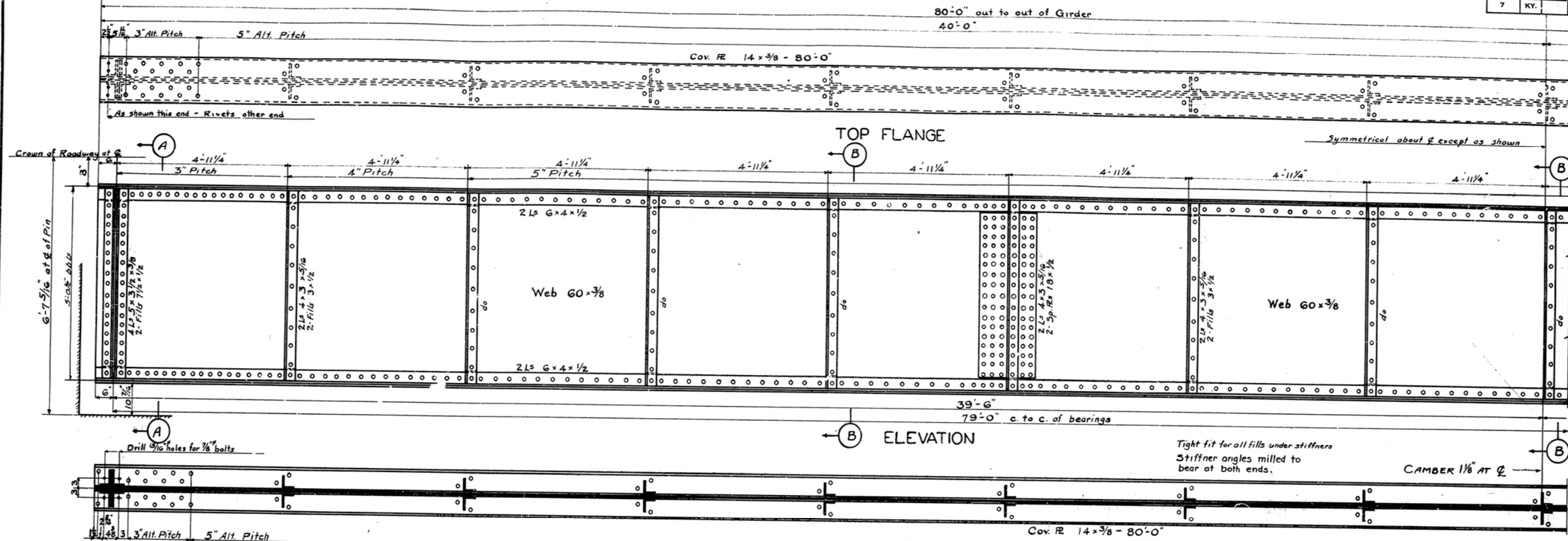


CONCRETE BANK PROTECTION

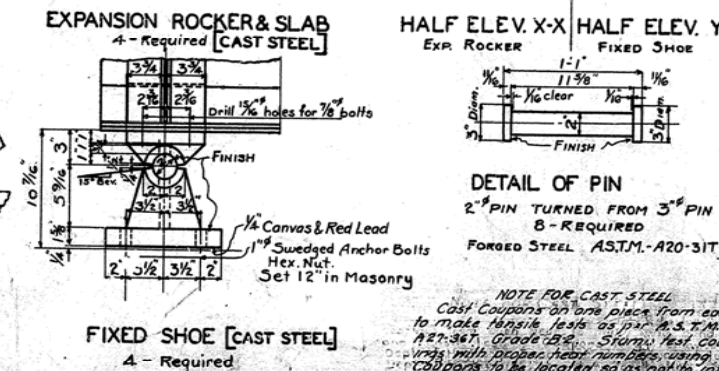
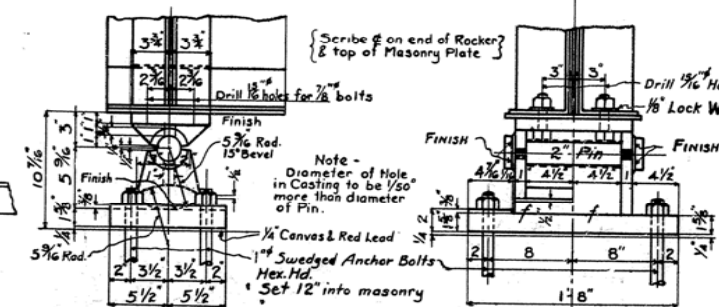
Std. Drwg. 3.13

BRIDGE OVER RED RIVER		SHEET 7	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
POWELL			
JEFFERSONVILLE-STANTON			
ROAD		PROJECT NO.	
STATION 485+54.612		99-20-1	
DATE		NO. 7117	

DESIGNED BY L.R.J. DATE 8-13
 DRAWN BY C. Moore DATE 4-25
 CHECKED BY DATE



BOTTOM FLANGE



GENERAL NOTE

Material - Structural Steel A.S.T.M. A7-36 Rivets A.S.T.M. A148-36
Cast Steel - A.S.T.M. A27-36T Grade B-2
Forged Steel - A.S.T.M. A20-31T - CAST IRON A.S.T.M. A148-36

Rivets - 3/4" unless otherwise noted.
Open Holes - 1 1/2" unless otherwise noted.
Design Loading - H15 Loading A.A.S.H.O. Specifications 1935
Allowable Unit Stresses - 18000 psi

Shop Assembly - The Steel Span is to be fully assembled pinned and bolted for inspection.
Field Connections - Turned bolts to be used. Holes for field connections to be sub punched and reamed while span is assembled except field holes in expansion angles which are to be field drilled.

ESTIMATE OF QUANTITIES [SPAN-4]

STRUCTURAL STEEL	82,010 lbs.
CAST STEEL	1,520 "
FORGED STEEL	710 "
CAST IRON	1,540 "
TOTAL	85,780 "

* Cast Iron Drains on Concrete Spans 12, 3, 4, 5, 6, 7, 8, 9, 10 & 11 included in this item.

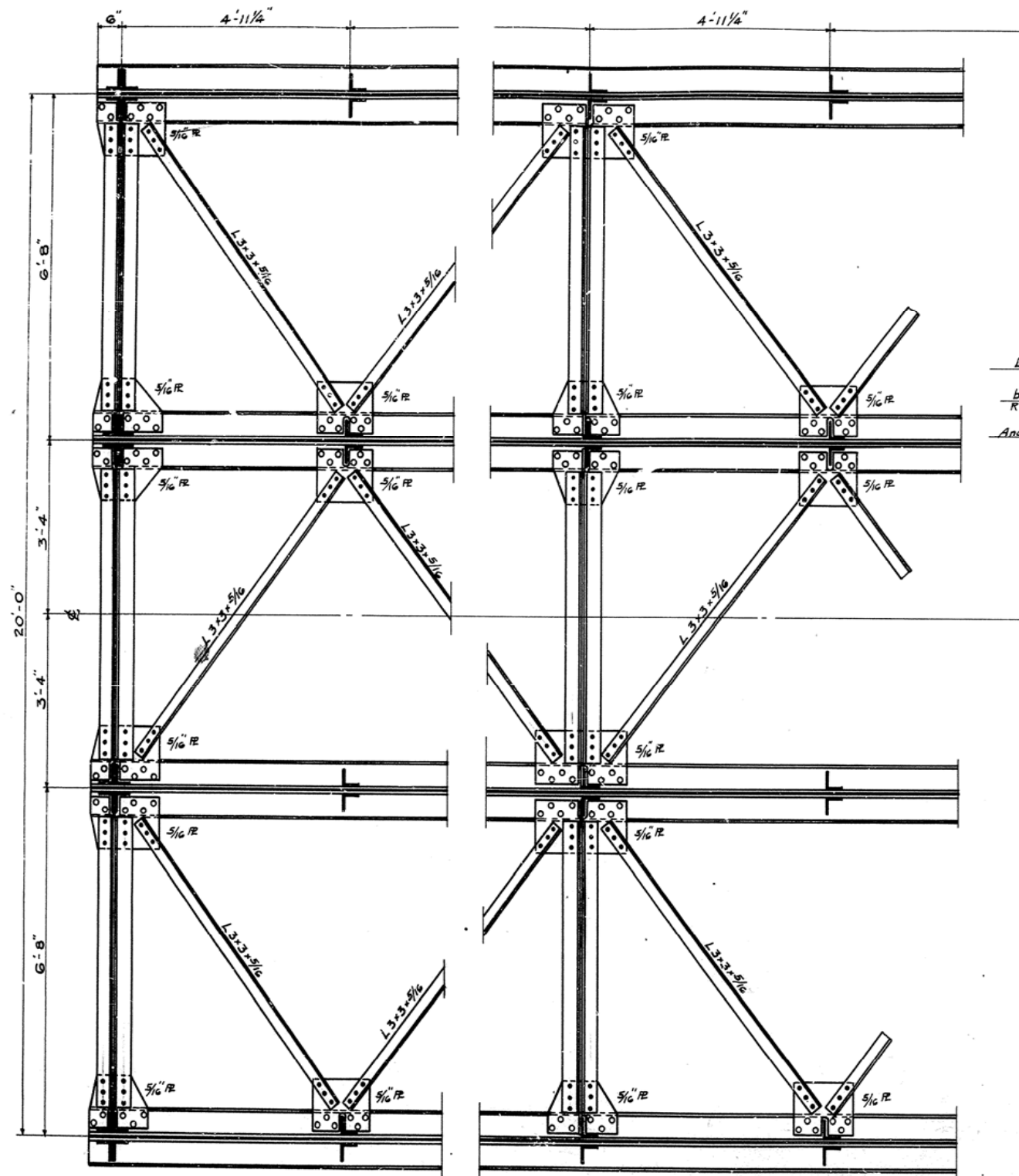
Bridge over Red River, usby Sheet 9 of 12

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
POWELL
JEFFERSONVILLE-STANTON

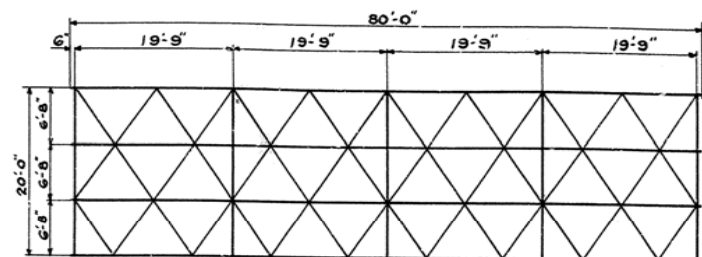
STATION 488+09.312 ROAD DIST. NO.

DETAILS OF 80'-0" PLATE GIRDER SPAN

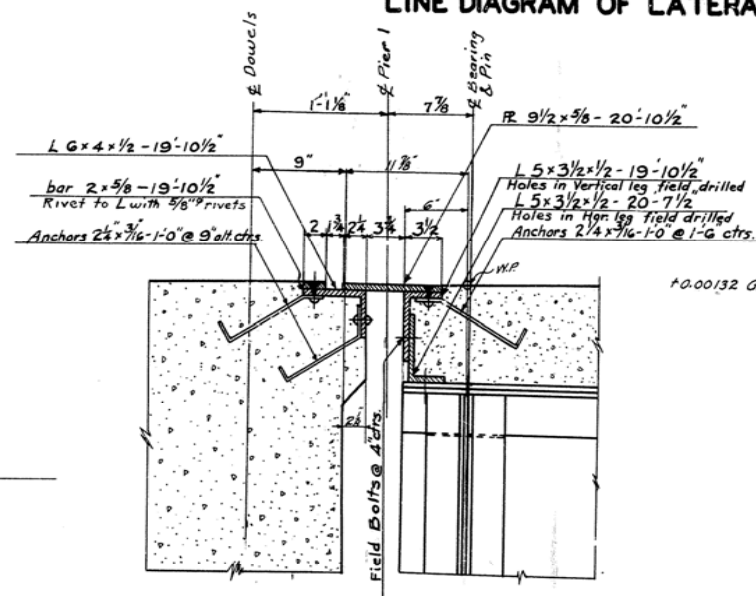
DESIGNED BY: A. Griffith DATE: 7-27
CHECKED BY: DATE: 7-27
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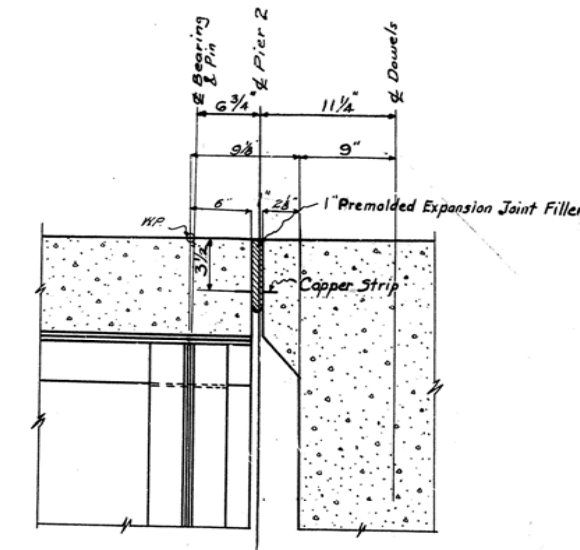
DETAILS OF BOTTOM LATERALS
Scale 3/4" = 1'-0"



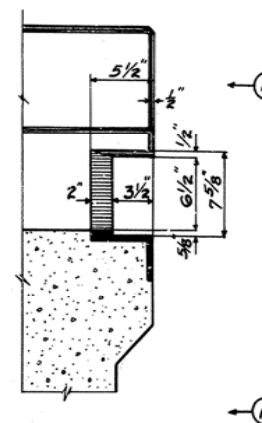
LINE DIAGRAM OF LATERALS AND CROSSFRAMES



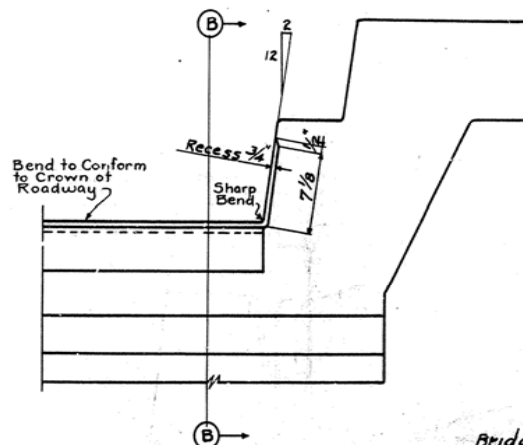
EXPANSION DETAILS AT PIER 1



FIXED EXPANSION AT PIER 2



SECTION B-B
DETAILS OF RECESSES IN CURBS
(To receive lip of 3/4 x 5/8 R)
Scale 1 1/2" = 1'-0"



SECTION A-A

DETAILS OF 80'-0" PLATE GIRDER SPAN

Bridge over Red River Sheet 10 of 14

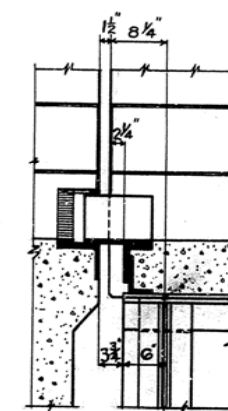
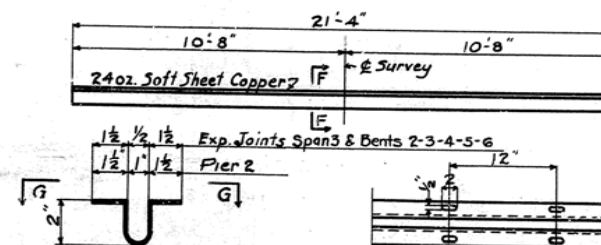
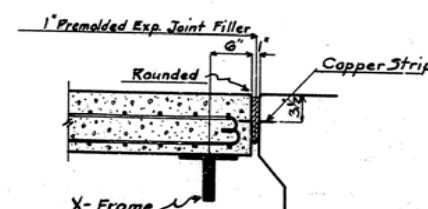
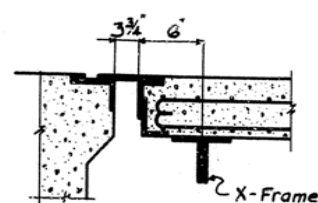
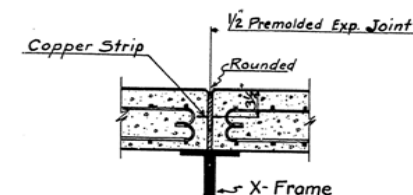
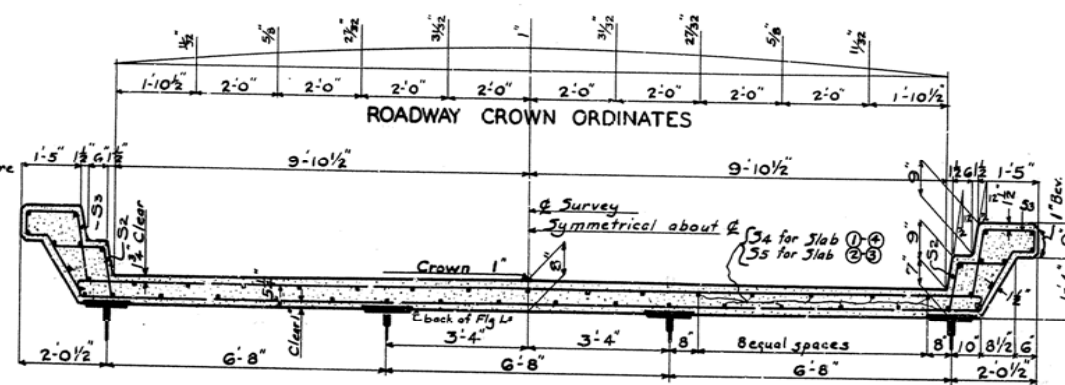
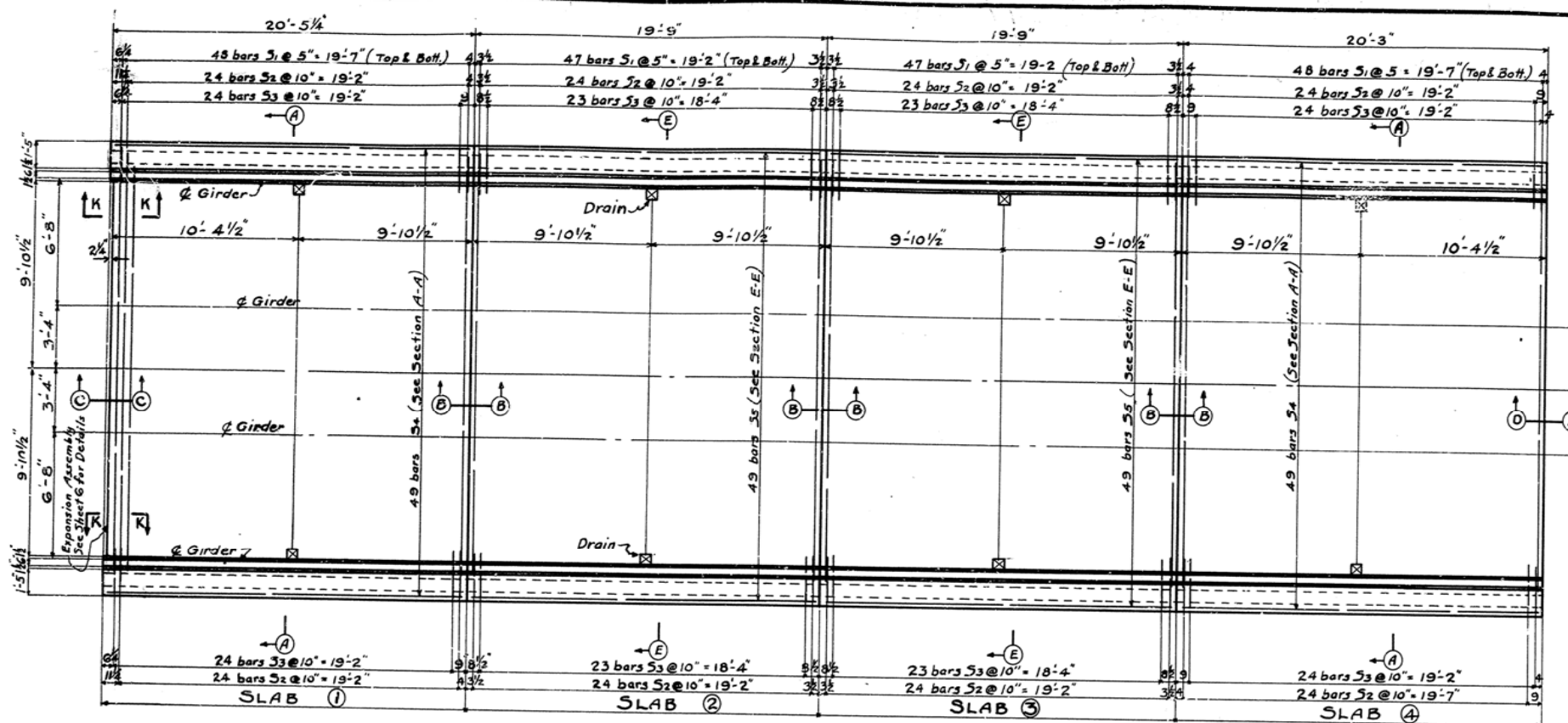
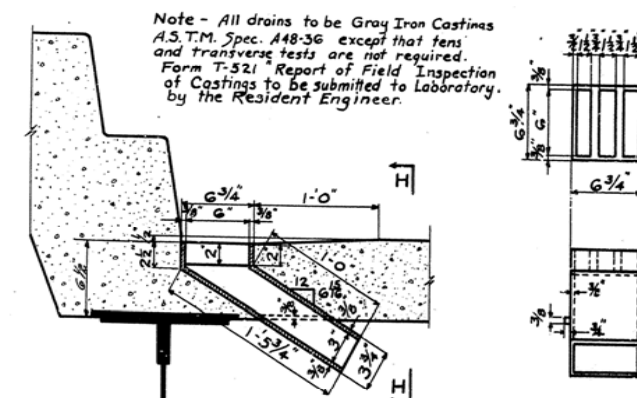
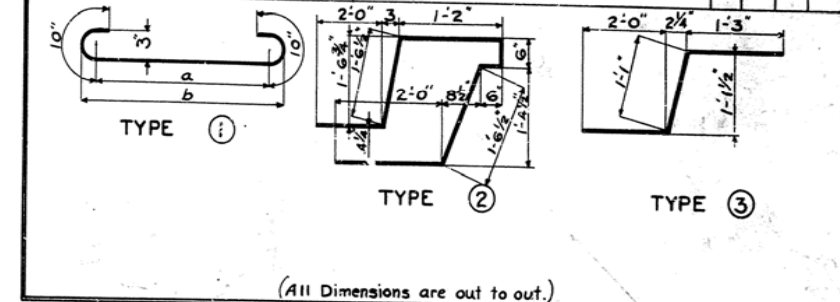
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

POWELL
JEFFERSONVILLE-STANTON
ROAD

STATION 488+55.812 PROJECT NO. 17-400

DRAWN BY 7/17

DESIGNED BY A. Griffith DATE 7-37
CHECKED BY S. Griffith DATE 7-37
REVIEWED BY S. Griffith DATE 7-37
REVISION SHEET 6 of 9 - As sheet 10 of 14
DATE 7-37
REVISION F.R. 202 Exp Detail 6
DATE 7-37

[illegible]

ESTIMATE OF QUANTITIES

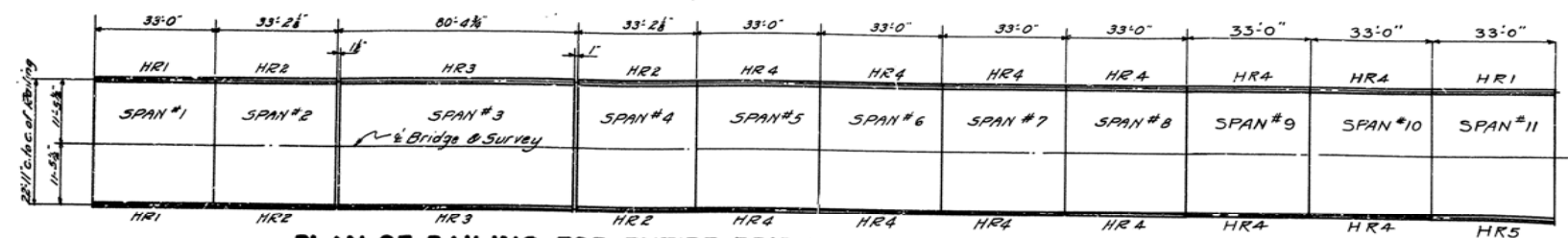
Concrete "Class A"	53.5	Cu.yds.
Reinforcement	12,960	lbs.

Bridge over Red River - Sheet 11 of 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
POWELL
JEFFERSONVILLE - STANTON

ROAD

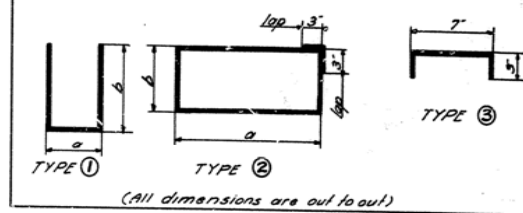
STATION 488+58.8/2 **PROJECT NO.**



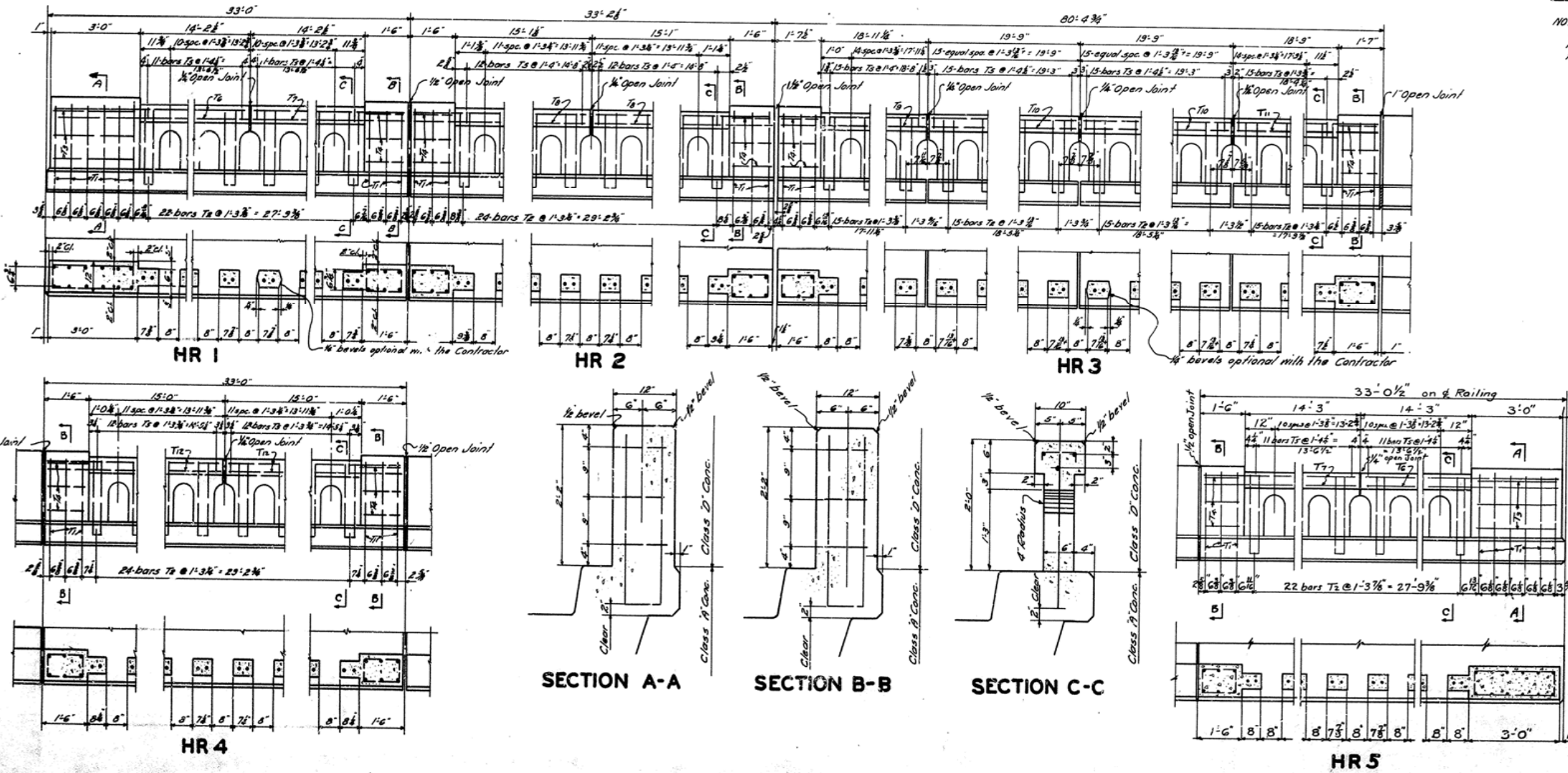
PLAN OF RAILING FOR ENTIRE BRIDGE

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

BILL & TYPES OF REINFORCEMENT									
MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	QTY	UNIT	QTY	UNIT
T1	①	144	1/2"	5	Posts	0 7/8	E	7	
T2	-	592	-	5	Spindles	0 4 1/2	E	5	
T3	②	12	3/4"	6	End Posts	2	B	0	8
T4	-	120	-	3	Posts	1	E	1	8
T5	③	592	1/2"	0	Rails	-	-	-	-
T6	HR	12	-	16	Rails HR1-HR5	-	-	-	-
T7	-	12	-	15	"	-	-	-	-
T8	-	24	-	16	" HR2	-	-	-	-
T9	-	6	-	20	" HR3	-	-	-	-
T10	-	12	-	19	"	-	-	-	-
T11	-	6	-	19	"	-	-	-	-
T12	-	72	-	16	" HR4	-	-	-	-



NOTE: All bar dimensions are to $\frac{1}{8}$ of bars excepted as noted. All concrete corners to be beveled $\frac{1}{4}$ unless otherwise shown. Post and spindles to be vertical and top of posts and rails to be parallel to curb grade.



ESTIMATE OF QUANTITIES	
Concrete, Class "D"	29.9 Cu Yds.
Reinforcement	5960 lbs.

BRIDGE OVER RED RIVER SHEET 12 OF 14

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
POWELL
 JEFFERSONVILLE-STANTON
 CAD
 STATION 488+58.812 PROJECT NO.
 7117

HANDRAIL DETAILS FOR ENTIRE BRIDGE [REVISED] 5-27-39

REVISIONS BY DATE
 1. E.R.J. 5-27-39
 2. E.R.J. 6-30-39
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 99. E.R.J. 6-30-39
 100. E.R.J. 6-30-39

RECEIVED BY <i>ERS.</i>	DATE <i>6-38</i>	REMOVED <i>By 120</i>	CH. AC. <i>DATE 5-39</i>
RECEIVED BY <i>C. Mans</i>	DATE <i>6-38</i>	REMOVED	DATE
CHECKED BY <i>A. Griffith</i>	DATE <i>6-38</i>	REMOVED	DATE



NOTE:- Top elevations given on all beams are on $\frac{1}{2}$ of beams except where gutter line elevation is indicated.
 All bottom elevations given are on $\frac{1}{2}$ of beams.
 All elevations shown on Concrete Spans include a construction camber at center of span equal to $\frac{1}{150}$ of the span and are to be maintained with false work in place.
 All elevations given on Steel Span #3 include a camber equal to the deflection of girders due to dead load of concrete deck.
 On Steel Span #3 actual elevation of top of steel to be taken in field by Resident Engineer at all points indicated on each girder with steel erected and carrying no other loading. These elevations, deducted from slab elevations given on girders, equals distance from top of steel girder to top of slab or gutter line as indicated.

[REVISED]
5-27-39

CONSTRUCTION ELEVATIONS 5-27-39
(Work this sheet with Sheet No. 14)

SPAN #7
BRIDGE OVER RED RIVER

SPAN #8
SHEET 13 OF 14

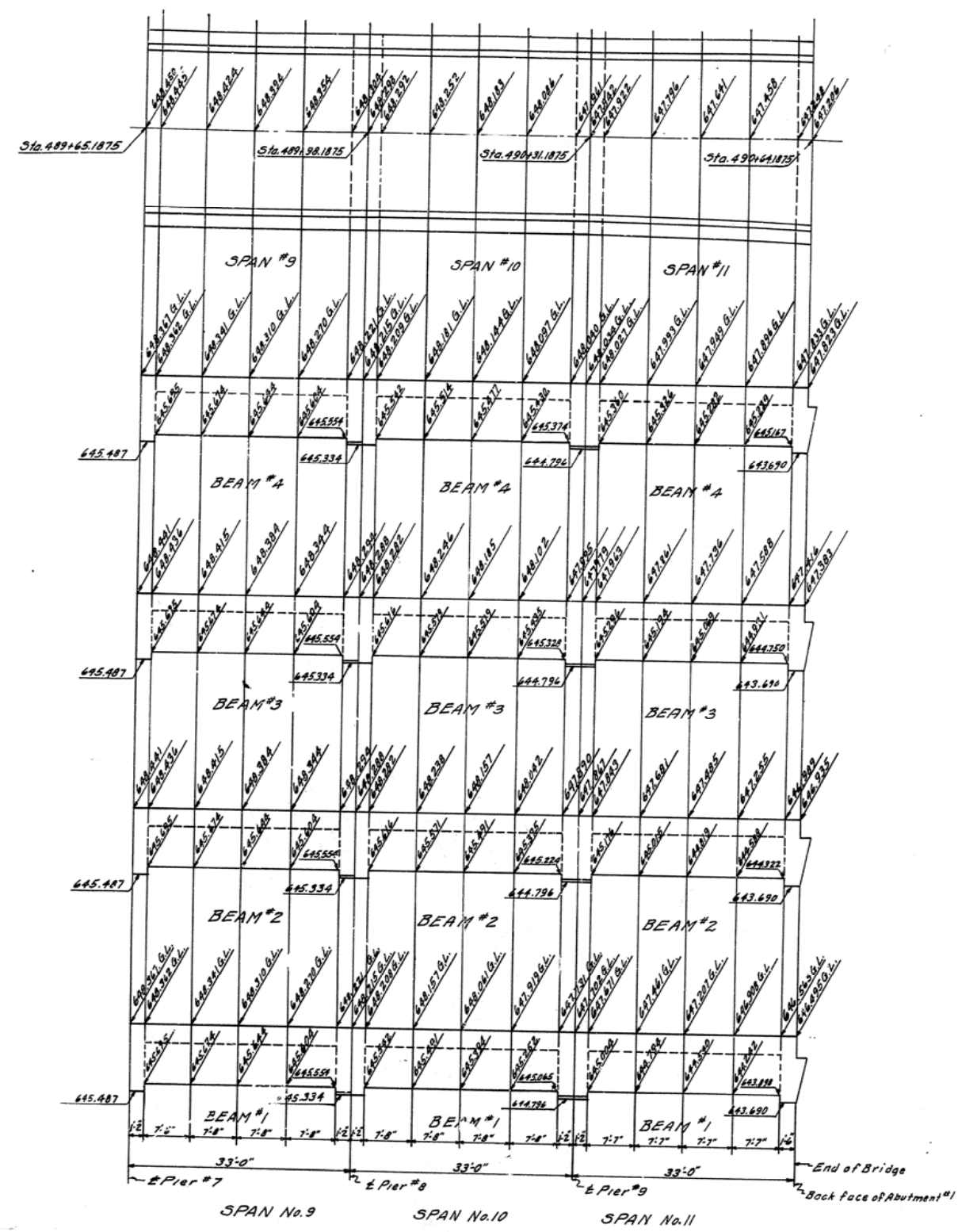
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

POWELL

JEFFERSONVILLE - STANTON
ROAD

STATION 405+50.812 PROJECT NO.

DATE	FILE
11/7/77	



CONSTRUCTION ELEVATIONS (Work this Sheet with Sheet No. 13.)

BRIDGE OVER RED RIVER		SHEET 14 OF 14	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
POWELL			
JEFFERSONVILLE-STANTON			
ROAD		PROJECT NO.	
STATION 488+58.812		PROJECT NO.	
		7117	

DESIGNED BY: J.R. GRIFFIN
 CHECKED BY: A.B. HARRIS
 DATE: 5-12-59
 DATE: 5-12-59
 DATE: 5-12-59