

KENTUCKY DEPARTMENT OF HIGHWAYS

BRIDGE OVER ROCKCASTLE RIVER

LAUREL-PULASKI COUNTY

SOMERSET-MT. VICTORY-LONDON ROAD

GENERAL NOTE

SPECIFICATIONS: KENTUCKY DEPARTMENT OF HIGHWAYS, 1956 STANDARD WITH AMENDMENTS.

DESIGN LOAD: BRIDGE DESIGNED FOR H-20S16 LOADING AS SPECIFIED IN 1961 AASHTO SPECIFICATIONS OR ALTERNATE LOADING OF TWO 24 KIP AXLES SPACED 4 FEET APART, WHICHEVER PRODUCES THE GREATER STRESS.

DESIGN STRESSES: FOR REINFORCED CONCRETE, $f_c = 20,000 \text{ psi}$, $f_s = 1,200 \text{ psi}$, $f_s' = 3,000 \text{ psi}$, $u = 200 \text{ psi}$, $u = 300 \text{ psi}$ for Z , $n = 10$ FOR STRUCTURAL STEEL, $f_a = 18,000 \text{ psi}$ FOR A7, A36, AND A57 STEEL.

FOUNDATION PRESSURE: FOOTING ARE DESIGNED FOR A MAXIMUM PRESSURE OF 20,000 psi AND PILES ARE DESIGNED FOR A MAXIMUM LOAD OF 50 TONS PER PILE.

CONCRETE: CLASS "A" CONCRETE IS TO BE USED THROUGHOUT.

REINFORCEMENT: INTERMEDIATE OR HARD GRADE REINFORCEMENT SHALL BE USED IN ACCORDANCE WITH ASTM A15-58T FOR BILLET STEEL OR A16-58T FOR RAIL STEEL. DIMENSIONS SHOWN FROM FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS.

BEVELED EDGES: ALL EXPOSED EDGES SHALL BE BEVELED 7/8" UNLESS OTHERWISE SHOWN.

EXPANSION JOINT MATERIAL, COPPER STRIP: THE COST OF THESE ITEMS IS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "A" CONCRETE.

STRUCTURAL STEEL: "LUMP SUM BID" FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ALL STRUCTURAL STEEL, RIVETS, BOLTS, WASHERS, STEEL PINS, CAST IRON, LEAD PLATES, MOLDED LEAD, WELDING AND WELDING MATERIALS, FLOOR DRAINS, PAINT, LINEN TRACINGS OF SHOP DETAIL AND ERECTION DRAWINGS, AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

PLACING FILL: EMBANKMENT SHALL BE PLACED IN COMPACTED LAYERS TO BOTTOM OF BENT CAP ELEVATION BEFORE DRIVING PILES IN ANY PILE BENT. EMBANKMENT SHALL BE PLACED SIMULTANEOUSLY IN FRONT AND BACK OF END BENTS IN COMPACTED LAYERS AND THE 5 FT. MINIMUM LEAD PROVIDED AS SHOWN ON THE PLANS BEFORE PLACING SHORING AND FORMS FOR THE END SPANS.

PILING: PILING SHALL BE DRIVEN TO REFUSAL OR TO SOLID ROCK. TEST PILES SHALL BE DRIVEN WHERE DESIGNATED ON THE PLANS TO DETERMINE THE LENGTH REQUIRED. ALL TEST PILES SHALL BE ACCURATELY LOCATED SO THAT THEY MAY BE USED IN THE FINISHED STRUCTURE.

PAINT: ALL STRUCTURAL STEEL EXCEPT PINS AND PIN BEARING SURFACES SHALL BE GIVEN ONE SHOP COAT OF TYPE I RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. EXPOSED SURFACES OF EXPANSION DAMS, NOT ACCESSIBLE AFTER ERECTION SHALL BE GIVEN TWO FIELD COATS OF ALUMINUM PAINT BEFORE ERECTION. PINS AND PIN BEARING SURFACES SHALL BE COATED IN THE SHOP WITH A HOT MIXTURE OF WHITE LEAD AND TALLOW IN ACCORDANCE WITH THE SPECIFICATIONS. SHOP PAINT SHALL NOT BE APPLIED WITHIN 3" OF OPEN HOLES WHERE HIGH STRENGTH BOLTS ARE TO BE USED FOR FIELD CONNECTIONS AND SHALL NOT BE APPLIED TO STEEL SURFACES IN CONTACT WITH CONCRETE.

CONNECTIONS: UNLESS OTHERWISE PROVIDED SHOP AND FIELD CONNECTIONS SHALL BE 7/8" DIAMETER RIVETS OR HIGH STRENGTH BOLTS. OPEN HOLES SHALL BE 15/16" DIAMETER.

MILL TEST REPORTS: NOTARIZED TEST REPORTS IN TRIPLICATE SHALL BE FURNISHED THE KENTUCKY DEPARTMENT OF HIGHWAYS SHOWING THAT ALL MATERIALS FURNISHED CONFORM TO THE SPECIFICATIONS.

STEEL FINISH: STEEL BEARING SURFACES IN CONTACT SHALL BE FINISHED IN ACCORDANCE WITH SECTION 5.2.3 OF THE SPECIFICATIONS.

DIMENSIONS: DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 68 DEGREES FAHRENHEIT.

SHOP PLANS: THE CONTRACTOR SHALL SUBMIT SHOP DETAIL PLANS.

CHANGES IN STRUCTURAL STEEL QUANTITIES: IN THE EVENT THAT CHANGES IN STEEL QUANTITIES ARE REQUIRED DUE TO CHANGES MADE BY THE ENGINEER IN THE PLANS, ADDITIONAL PAYMENTS THEREFOR SHALL BE MADE AT A UNIT PRICE WHICH WILL BE EQUAL TO THE CONTRACT LUMP SUM PRICE DIVIDED BY THE ESTIMATED TOTAL WEIGHT.

DESIGN WIND VELOCITY: BRIDGE DESIGNED FOR A WIND VELOCITY OF 81 mph.

HANDRAIL: ALTERNATE TYPES OF METAL HANDRAIL: THE CONTRACTOR SHALL USE ONE OF THE FOLLOWING THROUGHOUT:
ALTERNATE "A" ALUMINUM HANDRAIL, STANDARD DRAWING H-112
ALTERNATE "B" GALVANIZED STEEL HANDRAIL, STANDARD DRAWING H-113

COFFERDAMS: COFFERDAMS OR SHEETING MAY BE REQUIRED FOR PIERS 1 AND PIER 2. COFFERDAMS WHICH ARE TILTED OR MOVED DURING THE PROCESS OF SINKING OR DURING THE CONSTRUCTION OF THE STRUCTURE, DUE TO EXPANSION SLIDES, BREAKS IN THE STREAM BANKS, OR ANY OTHER CAUSE SHALL BE RIGHTED, RESET, OR ENLARGED TO PROVIDE THE NECESSARY CLEARANCE FOR THE CONSTRUCTION OF THE STRUCTURE, AND THIS SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.

PROTECTIVE COATING: THE ITEM FOR PROTECTIVE COATING SHALL BE ACCORDING TO THE SPECIAL PROVISION FOR LINSEED OIL PROTECTIVE COATING*.

REFERENCES & ESTIMATE OF MATERIALS

ITEM	SHEET NO.	CONCRETE	REINFORCE-	12" BP 53" STEEL PILES		STRUCTURE EXCAV.		STRUCT. STEEL LUMP SUM	METAL HANDRAIL		6" PIPE DRAINS	PROTECTIVE COATING
		CLASS A CU. YDS	MENT LBS	FURNISH LIN. FT.	DRIVE LIN. FT.	COMMON CU. YDS	S.R. CU. YDS		ALT. A ALUMINUM LIN. FT.	ALT. B STEEL LIN. FT.		
TITLE SHEET & QUANTITIES	1											
LAYOUT	2											
END BENT 1	3	678	4,849	654	854							
PIER 1	4	2457	22,441			430	80					
PIER 2	5	2412	42,748			410	370					
END BENT 2	3	678	4,849	652	652							
PILE RECORD	2											
120-170-120 CONT. R GIRDER	6-8											
SHOES	9											
EXPANSION DAM	10											
ANG. OR BOLT PLAN	8											
SLABS (CONCRETE)	12	3789	78,402									
DRAINS & CAMBER DIAGRAM	13										99.3	1634
ELEVATIONS	14											
SOUNDINGS	15-16											
PILES	P 17											
ALUMINUM HANDRAIL	H 112								825.2			
STEEL HANDRAIL	H 113									825.2		
STEEL NOTES	11											
TOTALS		1001.4	153,289	1505	1506	840	450	LUMP SUM	825.2	825.2	99.3	1634

* THE APPROXIMATE WEIGHT OF STRUCTURAL STEEL IS 631,300 LBS.

BILL OF INCIDENTAL MATERIALS

ITEM	NO. REQD.	SIZE	LOCATION
Prem. Exp. Jt. Mat'l	9	4" x 12" x 26'0"	Between Slabs
	18	3" x 4" x 1'7"	Between Curbs
Copper Strip	9	2" x 27' long	Between Slabs See Standard Dwg. G-351 and Sheet 12 for Details.
NOTE: QUANTITIES SHOWN IN BILL OF 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.			

REFERENCES

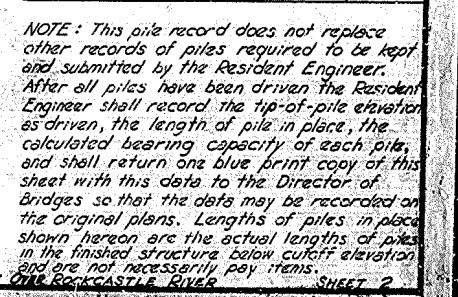
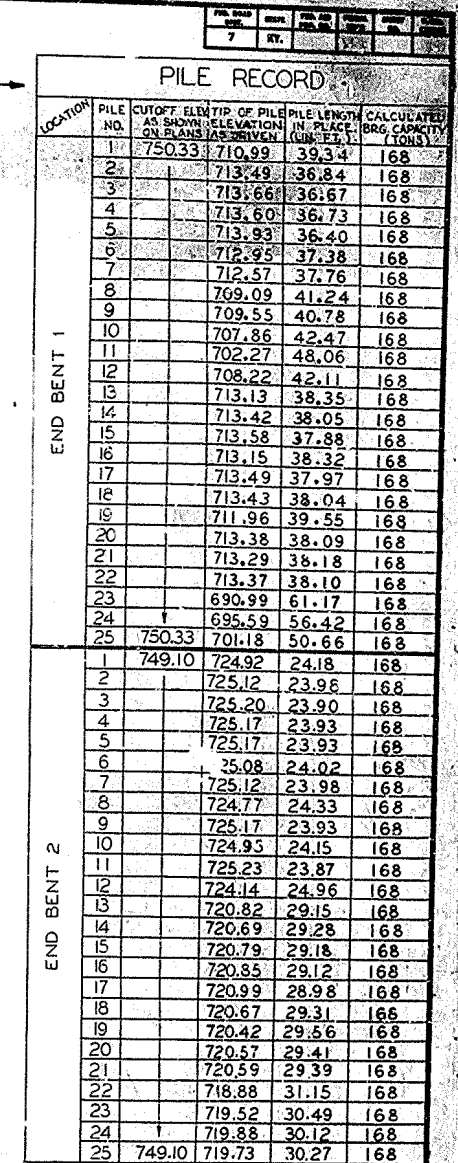
- F-111
- C-551
- H-112
- H-113

* THE SPECIAL PROVISION FOR LINSEED OIL PROTECTIVE COATING*

BRIDGE OVER ROCKCASTLE RIVER SHEET 1 OF 16

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET-MT. VICTORY-LONDON ROAD
STATION 64+23.0 PROJECT NO. SP-100-115-12

BRIDGE NUMBER 15485

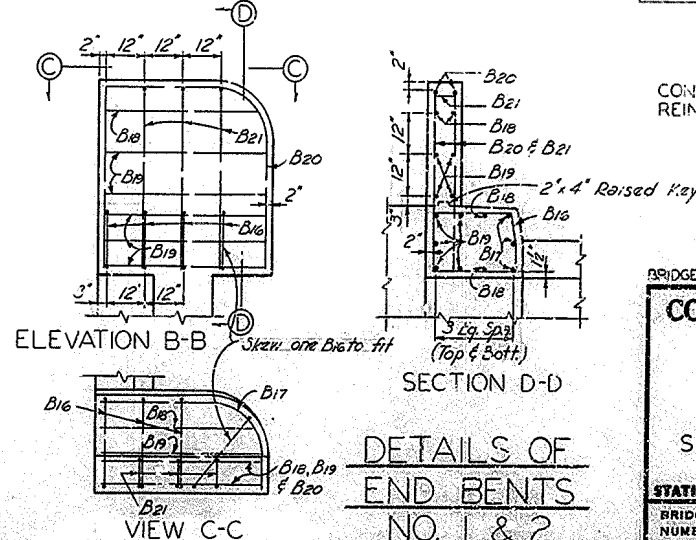
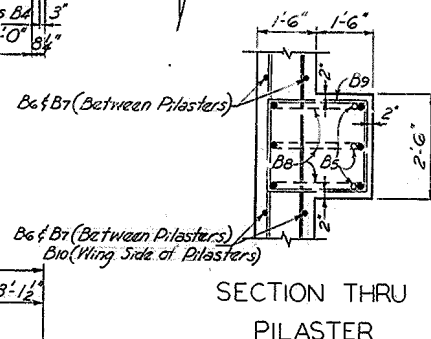
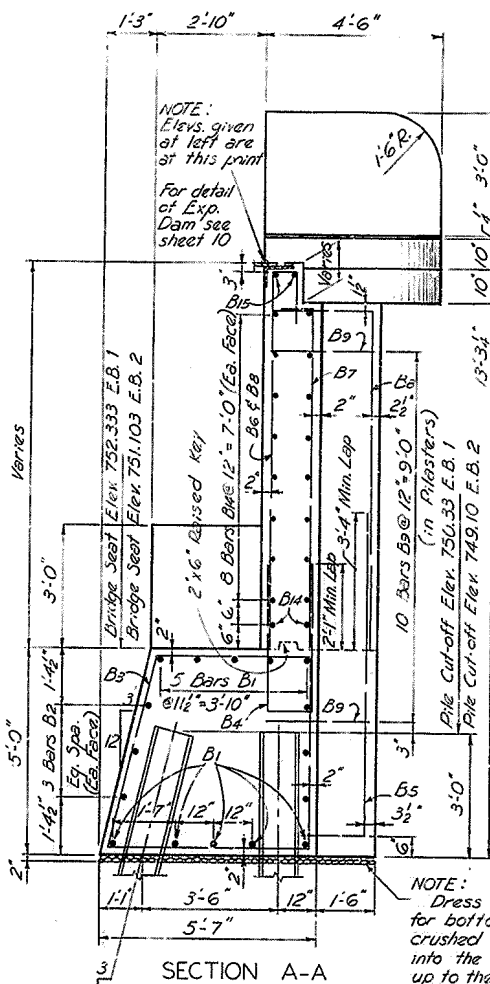
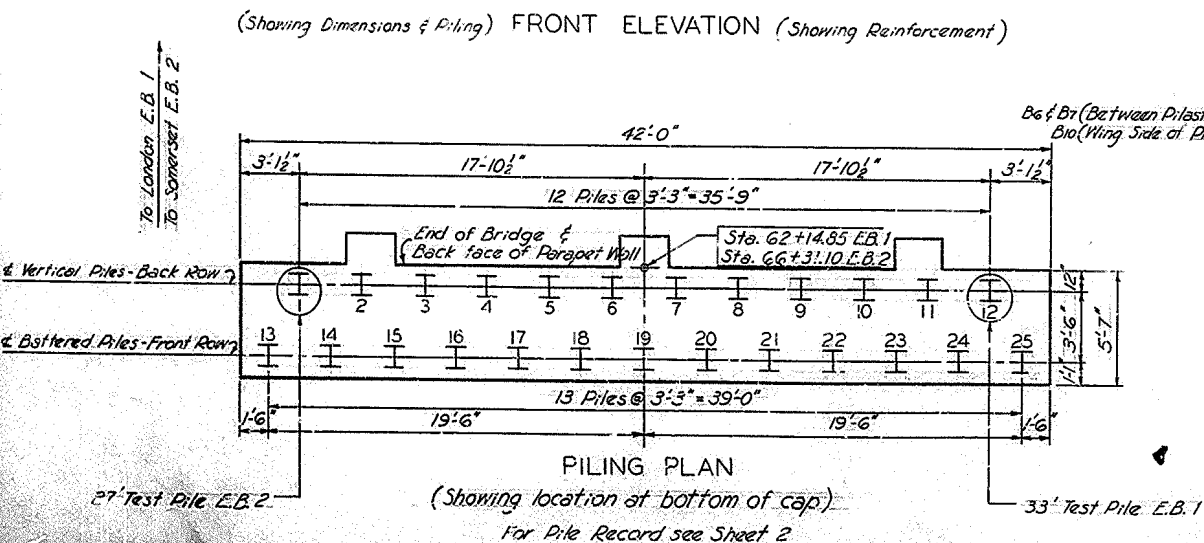
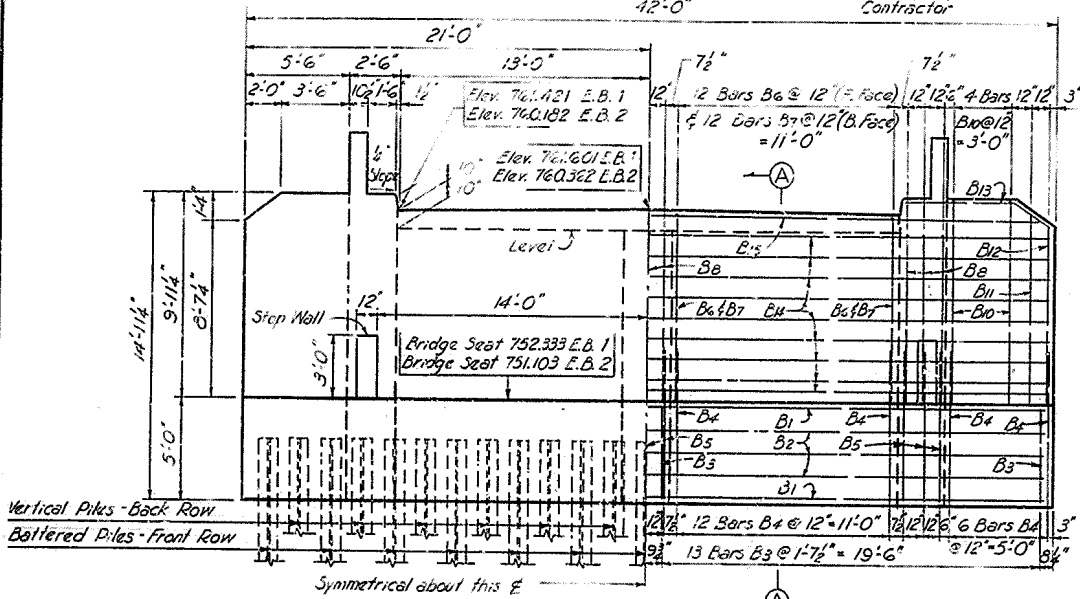
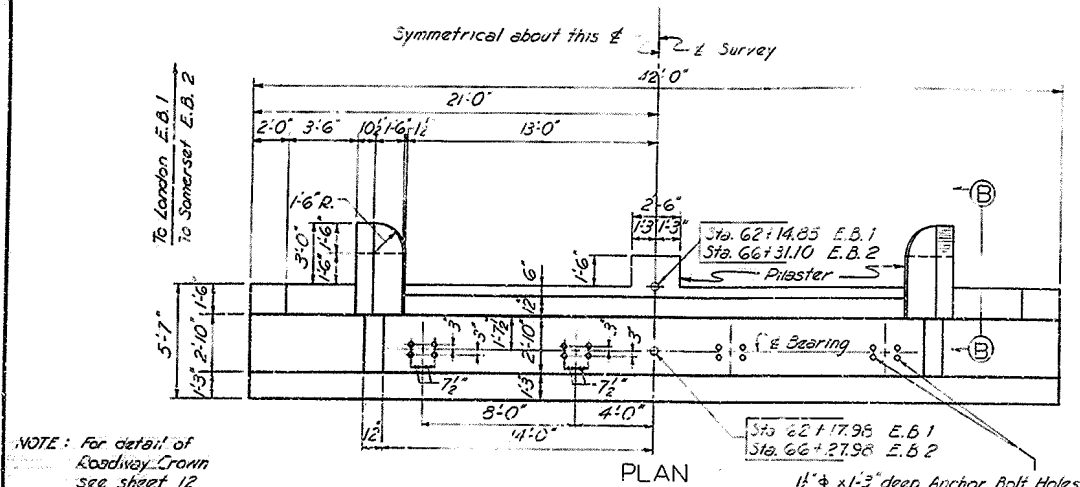


BRIDGE ONE ROCKCASTLE RIVER SHEET 2

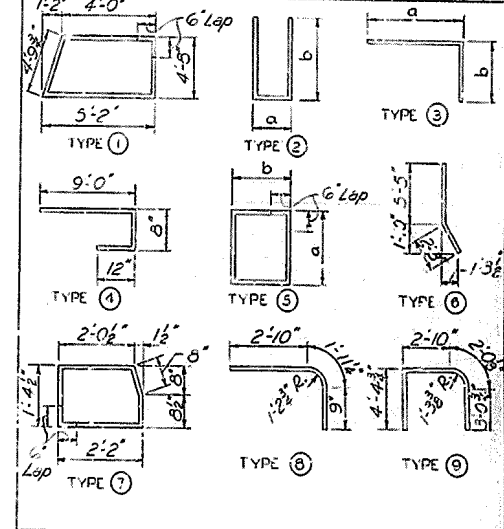
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET-MT. VICTORY-LONDON
ROAD

STATION 64 + 23.0 **PROJECT NO.**

BRIDGE NUMBER	SECTION 15485	DATE
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BILL OF REINFORCEMENT FOR ONE BENT									
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL	REMARKS	FOOTING	PIER	WING
B1	Top & Bottom of Cap	1.0	CU YD						
B2	Sides of Cap	1.0	CU YD						
B3	Cap Hoops	1.0	CU YD						
B4	Backwall Dowels	1.0	CU YD						
B5	Pilaster Dowels	1.0	CU YD						
B6	Face Parapet Wall	1.0	CU YD						
B7	Back Face Parapet Wall	1.0	CU YD						
B8	Pilasters	1.0	CU YD						
B9	Wings	1.0	CU YD						
B10	Parapet Wall	1.0	CU YD						
B11	Curb Extensions	1.0	CU YD						
B12	Curb Extensions End Posts	1.0	CU YD						
B13	Step Walls	1.0	CU YD						



BRIDGE OVER ROCKCASTLE RIVER SHEET 3

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

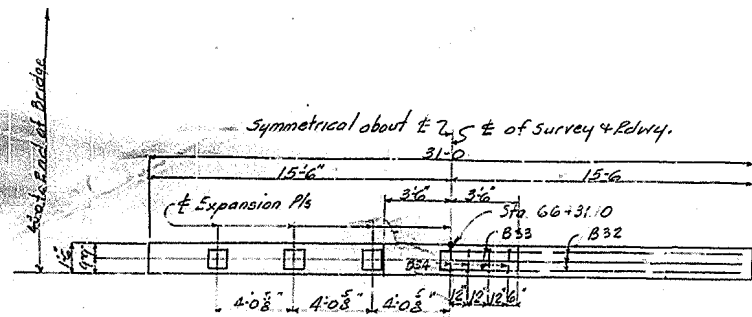
LAUREL

SOMERSET - MT. VICTORY - LONDON

ROAD

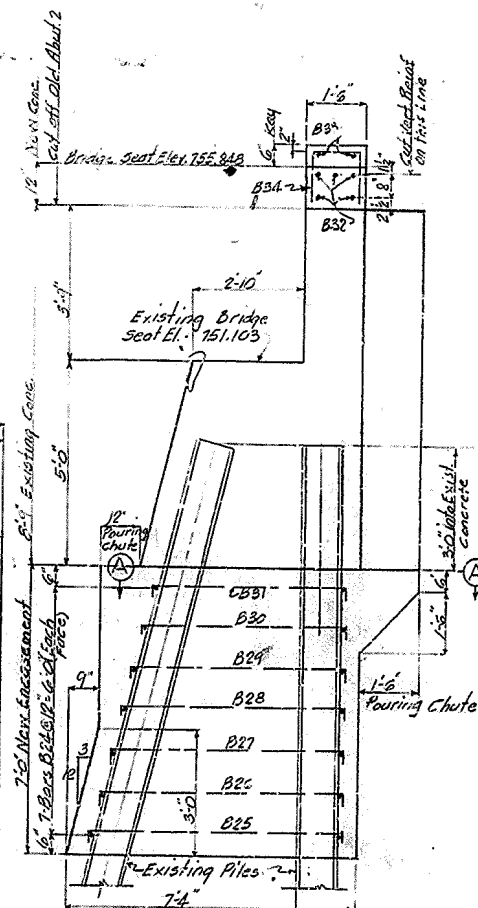
STATION 641.230 PROJECT NO.

BRIDGE NUMBER DRAWING NO. 15485

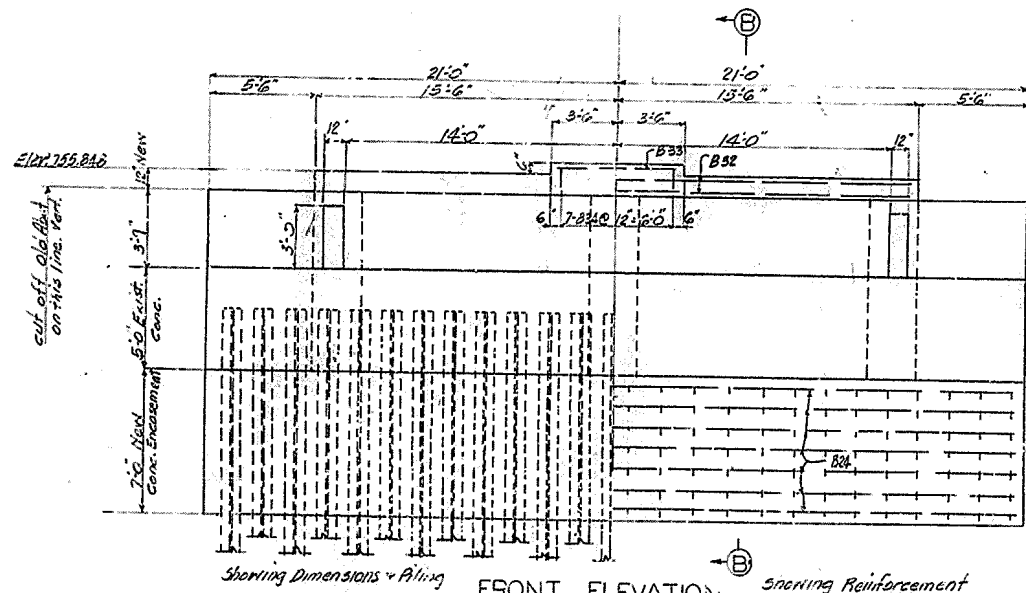


PLAN OF NEW BRIDGE SEAT FOR NEW 40'-0" R.C. SPAN TO BE ADDED

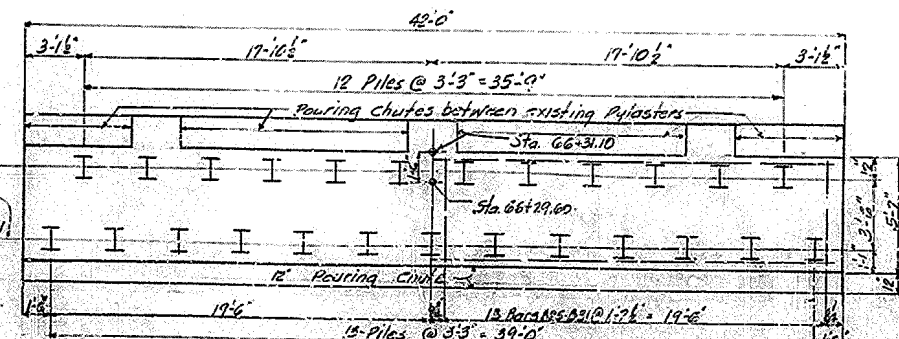
Solve the Expan. Dam from part of Back Wall removed, and reset in new R.C. Girder Span.



SECTION B-B



FRONT ELEVATION



SECTION A-A

BILL OF REINFORCEMENT FOR REVISIONS TO END BENT 2									
MARK	TYPE	NO.	LENGTH	LOCATION	Q	D	C	d	
B24	4#	14	5	At expansion	FT	IN	FT	IN	FT
B25	10#	24	5	"	4	0	0	3	
B26	10#	24	5	"	5	1	0	3	
B27	10#	24	5	"	5	4	0	3	
B28	10#	24	5	"	5	7	0	3	
B29	10#	24	5	"	5	10	0	3	
B30	10#	24	5	"	5	13	0	3	
B31	10#	24	5	"	6	4	0	3	
B32	10#	24	5	"	6	7	0	3	
B33	10#	24	5	"	7	0	0	3	
B34	10#	24	5	"	7	3	0	3	

TYPE 10

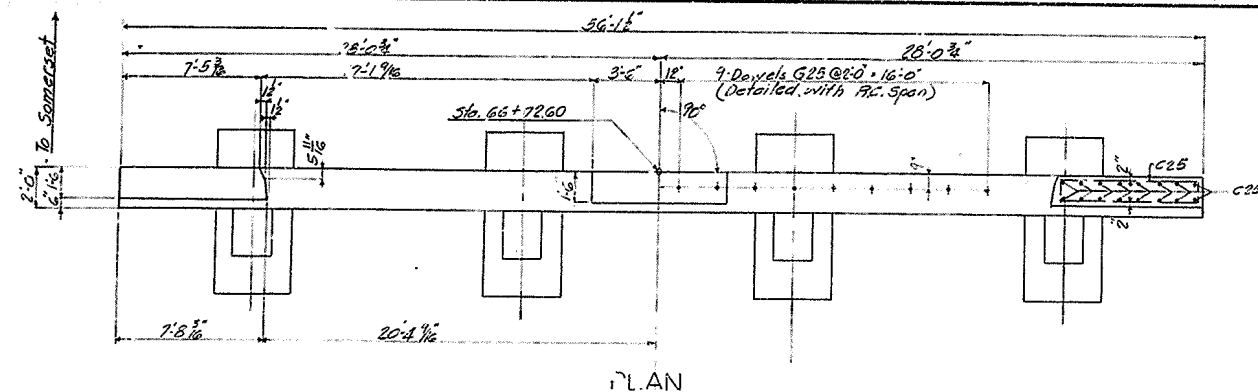
ESTIMATE OF QUANTITIES FOR REVISION

Concrete Class A	75.8	Cu. Yd.
Reinforcement	1927	Lb.
Structure Excavation Common	40	Cu. Yd.
Remove Concrete Masonry	25	Cu. Yd.

Revisions to Bridge over Rockcastle River Sheet 3/B

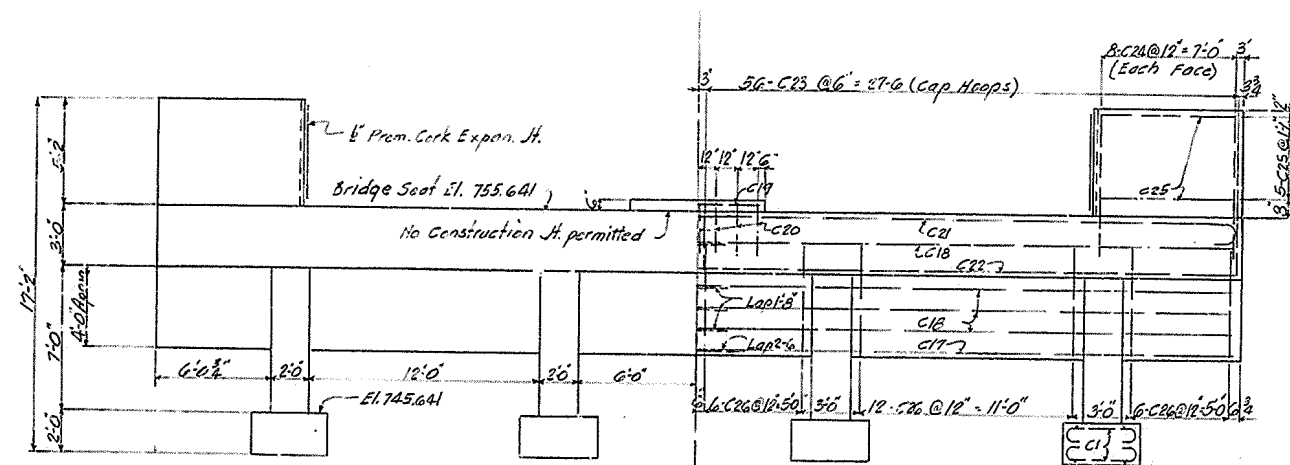
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET - MT. VICTORY - LONDON
ROAD
STATION 64+23.0 PROJECT NO. 15485
BRIDGE NUMBER 15485

REVISIONS TO END BENT NO. 2
For Details of End Bent 2 as built see Sheet 3. Dwg. 15485



PLAN

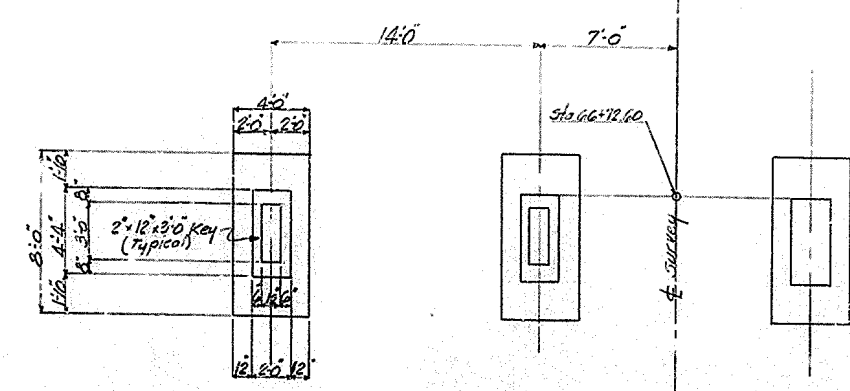
± Abutment 2
Symm abt this ±



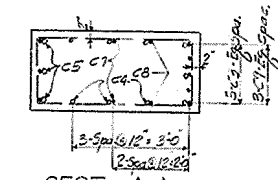
ELEVATION

Showing Dimensions

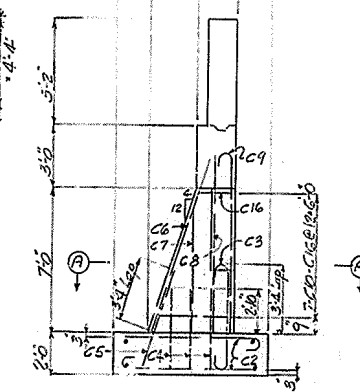
Showing Reinforcement



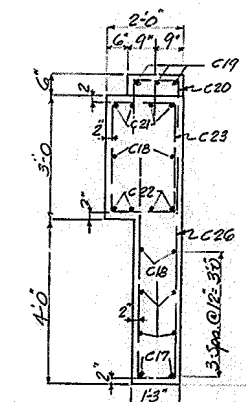
PLAN OF FOOTING



SECTION A-A



END ELEVATION

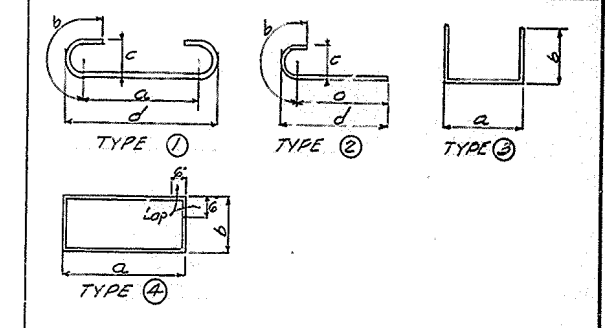


SECTION THRU CAP

ABUTMENT NO. 2 (CONSTRUCTION ADDITION)

Note: This abutment added during construction under new span 4 at north end of bridge because of bank slides.

BILL OF REINFORCEMENT									
MARK	TYPE	NO.	LENGTH FT. IN.	LOCATION	Q	B	C	D	
C1	①	24	5 0	Footings	3 4	0 10	0 5	3 9	
C2	②	56	8 4	"	7 6	0 10	0 5	7 8 1/2	
C3	③	20	6 7	Columns	4 7	1 0	0 6	5 1	
C4	④	12	5 10	"	1 7	4 7			
C5	5th	12	5 1	"					
C6	"	12	9 0	"					
C7	"	8	5 6	"					
C8	"	3	5 6	"					
C9	⑤	12	9 9	"	2 9	1 10	0 6	9 0	
C10	⑥	4	11 7	Cap Hoops	3 9	1 8			
C11	"	4	10 11	"	3 5	1 8			
C12	"	4	10 3	"	3 1	1 8			
C13	"	4	9 7	"	2 9	1 8			
C14	"	4	8 11	"	2 5	1 8			
C15	"	4	8 3	"	2 1	1 8			
C16	"	4	7 7	"	1 9	1 8			
C17	5th	4	29 8	Apron					
C18	"	16	4 29 3	" " cap					
C19	"	3	5 6 9	Key					
C20	⑦	7	5 3	"	1 2	2 12			
C21	⑧	4	58 5	Cap	54 9	1 10	1 06	55 9 1/2	
C22	5th	4	55 10	"					
C23	⑨	112	9 4	" Hoops	2 2	1 8			
C24	5th	32	4 7 0	" Hoops					
C25	⑩	10	4 17 5	"	7 2	1 2			
C26	⑪	3	48 5 11 9	Apron	0 11	5 6			



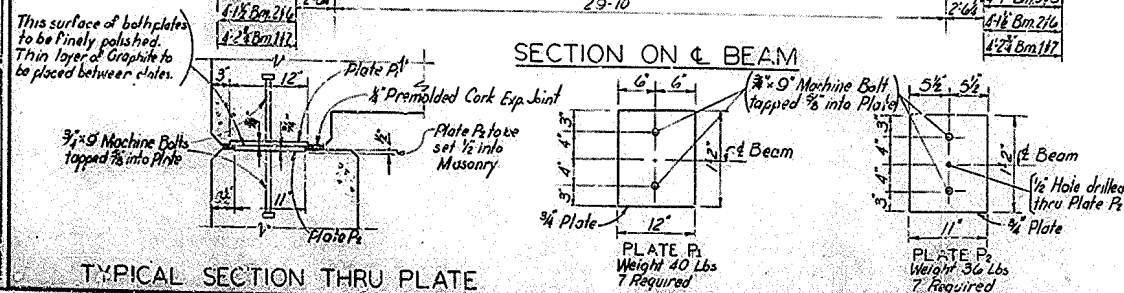
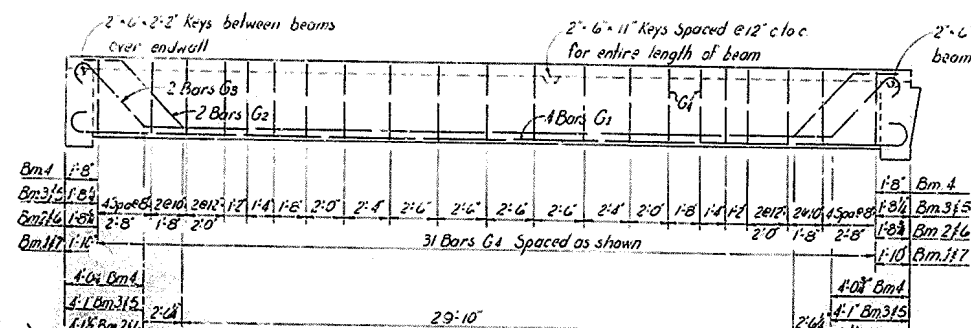
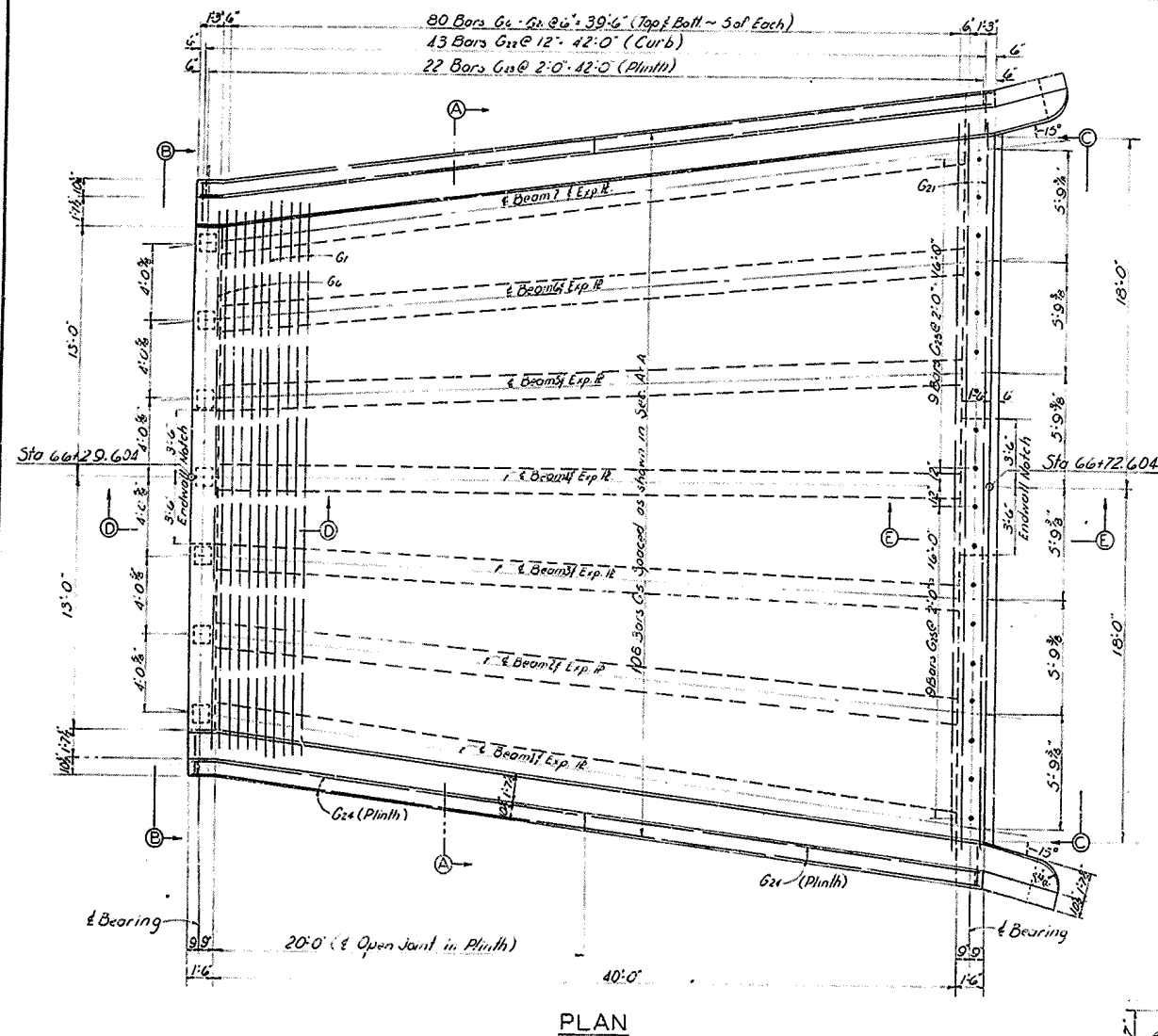
ESTIMATE OF QUANTITIES
Concrete Class A 42.0 Cu. Yd.
Reinforcement 6081 Lb.

Revisions to Bridge over Rockcastle River Street 3C

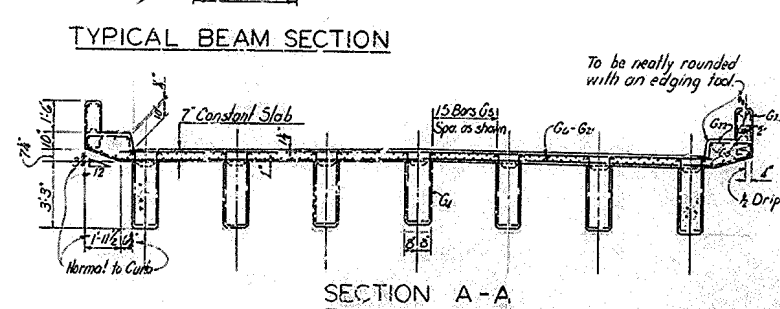
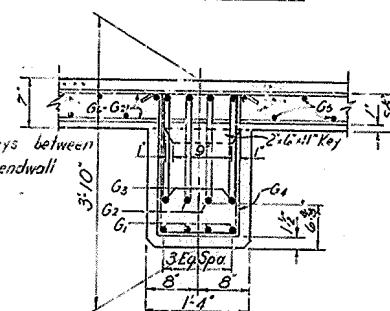
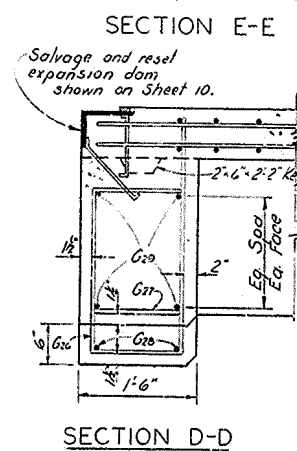
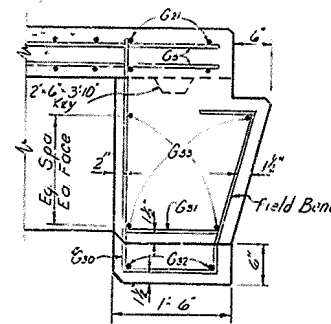
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET - MT VICTORY - LONDON
ROAD

STATION 64+25.0 PROJECT NO. 111-57-12
BRIDGE NUMBER 1015-185

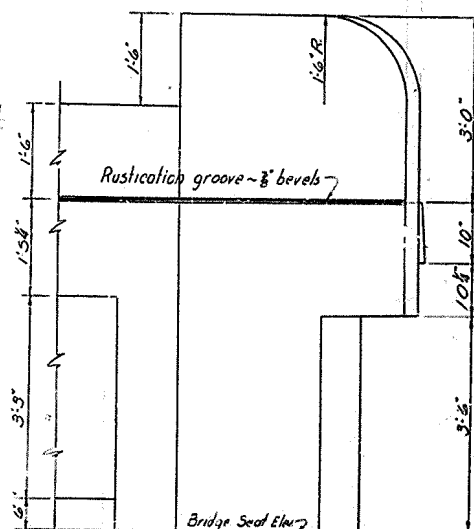
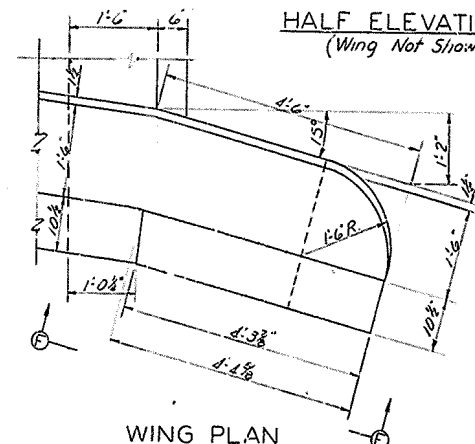
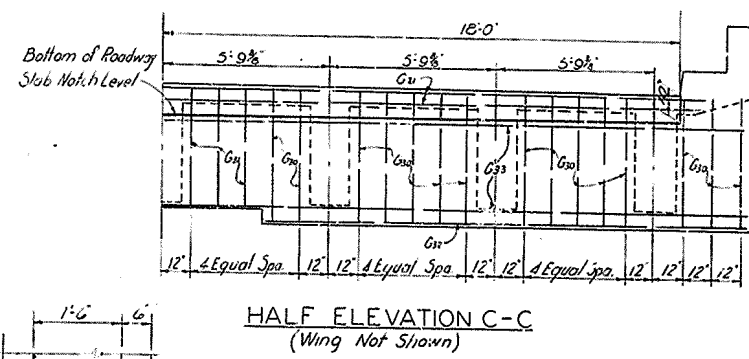
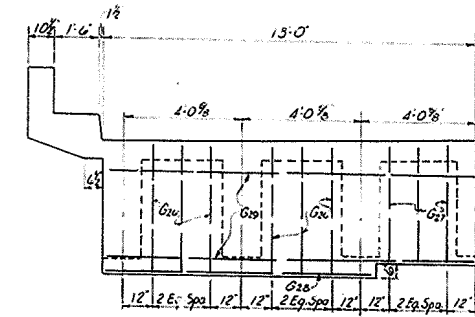
PROJ. ROAD DIST.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	KY.			



TYPICAL SECTION THRU PLATE



SPAN 4 CONSTRUCTION DETAILS



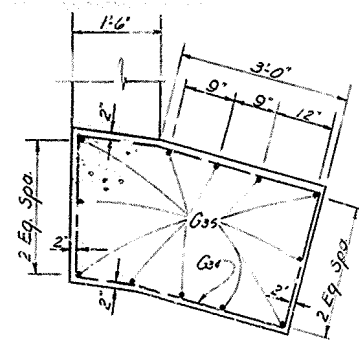
Revisions to Bridge over Rockcastle River Sheet 3D

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 LAUREL

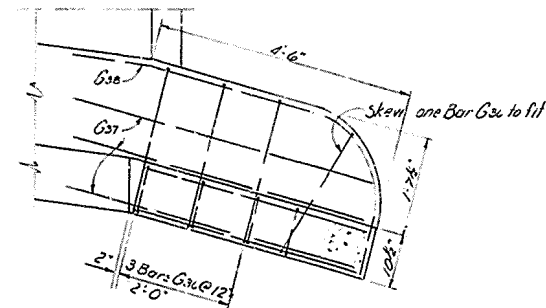
SOMERSET-MT. VICTORY-LONDON
 ROAD

STATION 64+23.0 PROJECT NO. 15485

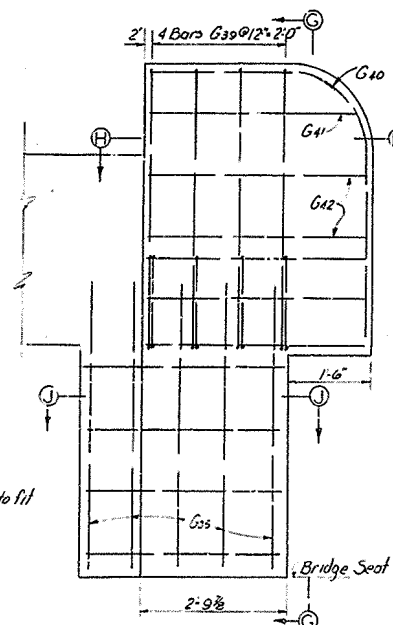
BRIDGE NUMBER 15485



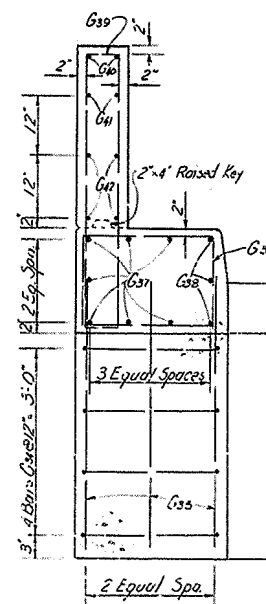
SECTION J-J



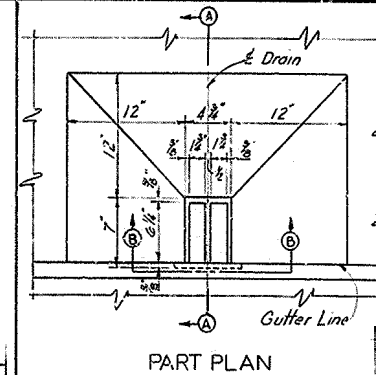
SECTION H-H



ELEVATION F-F
(3rd Wing Plan)



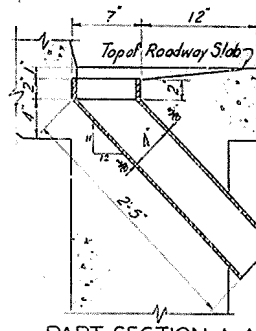
SECTION G-G



PART PLAN

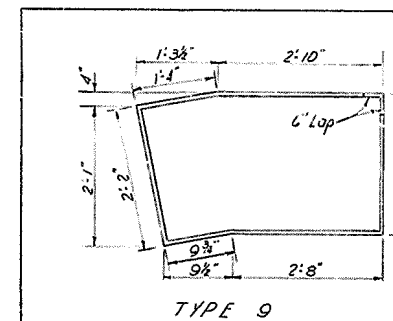
Estimated weight of one drain
with 5% added for fittings 54 Lbs.
4 Drains Required.

PART SECTION B-B
Showing Details of Lug on
Floor Drains

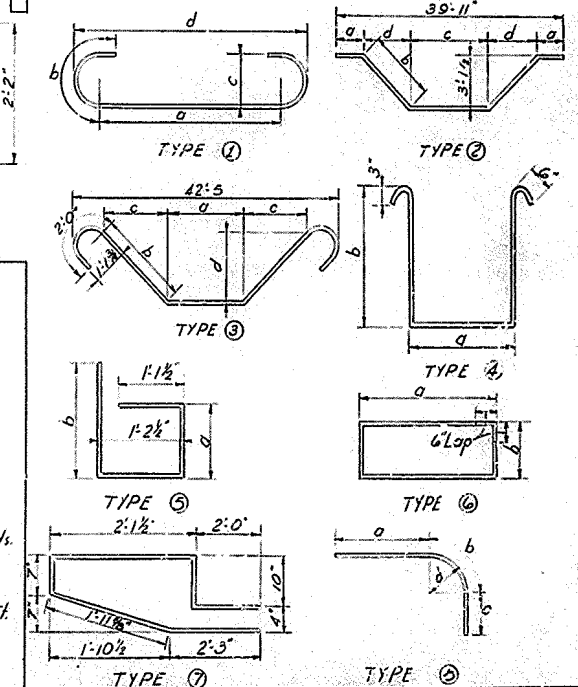


PART SECTION A-A

DETAILS OF FLOOR DRAINS



TYPE 9

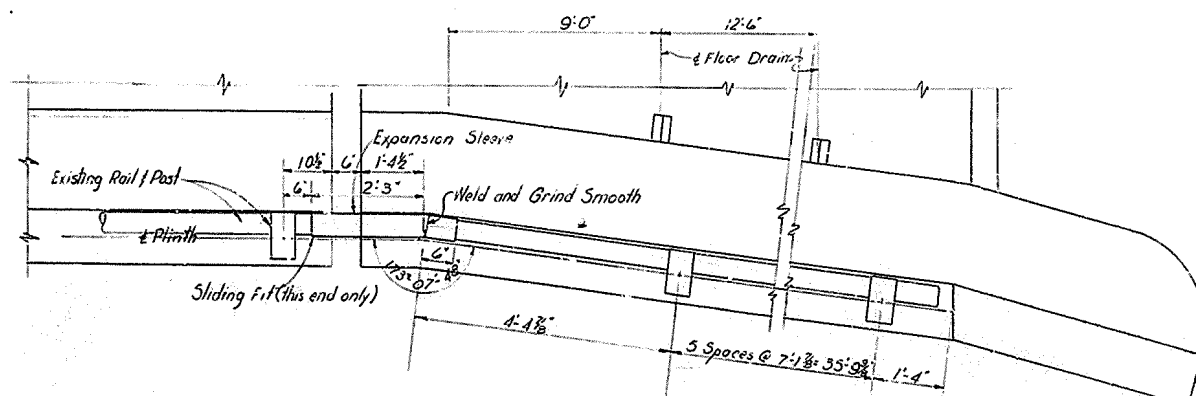


BILL OF REINFORCEMENT

MARK	TYPE	NO	SIZE	LENGTH	LOCATION	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
G1	1	28	1/2"	15	Beams	41	3	2	0	1	1/2	42	4 1/2
G2	2	14	1/2"	12	"	2	1	4	5	29	9	3	0
G3	3	14	1/2"	12	"	34	9 1/2	4	0	2	10	2	11 1/2
G4	4	217	1/4"	9	Beam Stirrups	1	1	5	7				
G5	5	108	1/4"	12	Slab - Long.								
G6	6	12	1/4"	26	Slab - Trans.								
G7	7	10	1/4"	27	"								
G8	8	10	1/4"	28	"								
G9	9	10	1/4"	28	"								
G10	10	10	1/4"	28	"								
G11	11	10	1/4"	29	"								
G12	12	10	1/4"	30	"								
G13	13	10	1/4"	31	"								
G14	14	10	1/4"	32	"								
G15	15	10	1/4"	33	"								
G16	16	10	1/4"	34	"								
G17	17	10	1/4"	35	"								
G18	18	10	1/4"	36	"								
G19	19	10	1/4"	37	"								
G20	20	10	1/4"	38	"								
G21	21	10	1/4"	39	"								
G22	22	10	1/4"	40	"								
G23	23	10	1/4"	41	"								
G24	24	10	1/4"	42	"								
G25	25	10	1/4"	43	"								
G26	26	10	1/4"	44	"								
G27	27	10	1/4"	45	"								
G28	28	10	1/4"	46	"								
G29	29	10	1/4"	47	"								
G30	30	10	1/4"	48	"								
G31	31	10	1/4"	49	"								
G32	32	10	1/4"	50	"								
G33	33	10	1/4"	51	"								
G34	34	10	1/4"	52	"								
G35	35	10	1/4"	53	"								
G36	36	10	1/4"	54	"								
G37	37	10	1/4"	55	"								
G38	38	10	1/4"	56	"								
G39	39	10	1/4"	57	"								
G40	40	10	1/4"	58	"								
G41	41	10	1/4"	59	"								
G42	42	10	1/4"	60	"								
G43	43	10	1/4"	61	"								
G44	44	10	1/4"	62	"								
G45	45	10	1/4"	63	"								
G46	46	10	1/4"	64	"								
G47	47	10	1/4"	65	"								
G48	48	10	1/4"	66	"								
G49	49	10	1/4"	67	"								
G50	50	10	1/4"	68	"								
G51	51	10	1/4"	69	"								
G52	52	10	1/4"	70	"								
G53	53	10	1/4"	71	"								
G54	54	10	1/4"	72	"								
G55	55	10	1/4"	73	"								
G56	56	10	1/4"	74	"								
G57	57	10	1/4"	75	"								
G58	58	10	1/4"	76	"								
G59	59	10	1/4"	77	"								
G60	60	10	1/4"	78	"								
G61	61	10	1/4"	79	"								
G62	62	10	1/4"	80	"								

ESTIMAE OF QUANTITIES

Concrete, Class A	106.2 Cu. Yds.
Reinforcement	25,474 Lbs.
Bronze Plate	532 Lbs.
Metal Handrail	86.9 Lin. Ft.



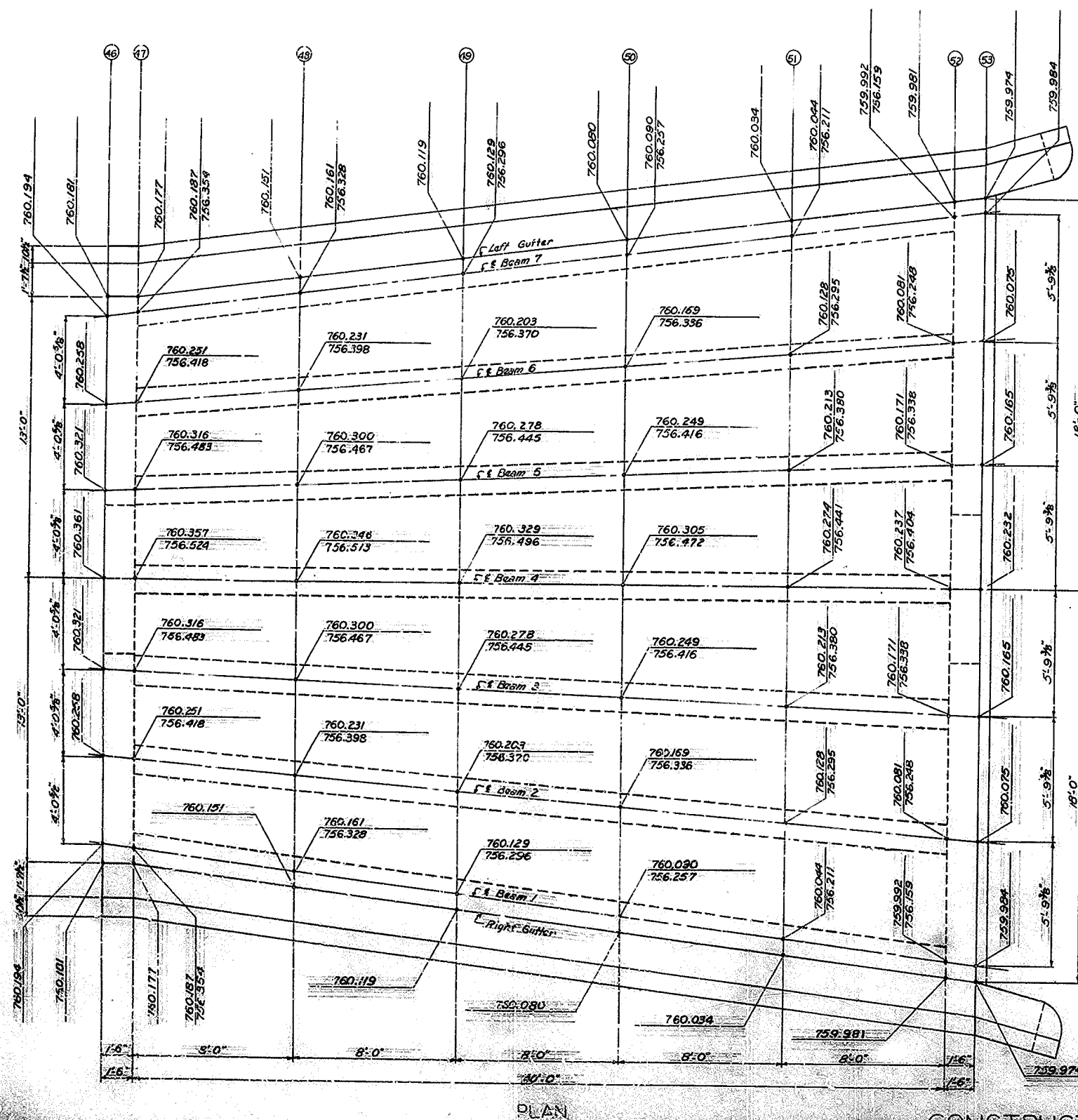
HANDRAIL DETAIL & FLOOR DRAIN LOCATION

For Details Not Shown
See Std. Dwg. H-112
(Symmetrical about & Survey)

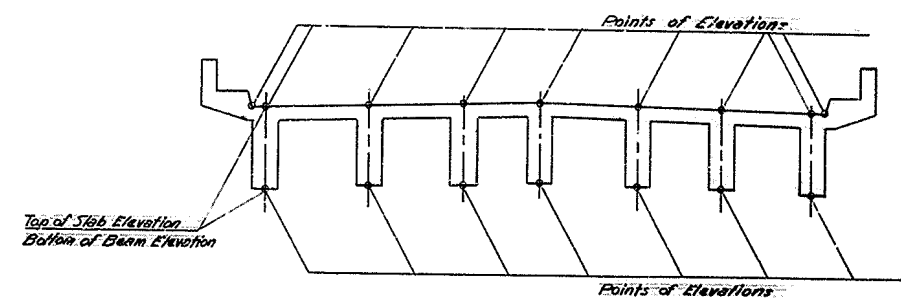
SPAN 4 CONSTRUCTION DETAILS

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
TRANSPORT
COUNTY OF
LAUREL
SOMERSET~MT. VICTORY~LONDON
ROAD
STATION 64+23.0
PROJECT NO.
BRIDGE NUMBER
15485

CHECKED BY	DATE
CHECKED BY W. KING	8-7-69
CHECKED BY	DATE
CHECKED BY W. KING	8-9-
CHECKED BY	DATE
CHECKED BY	DATE
CHECKED BY	DATE
CHECKED BY	DATE



NOTE:
All elevations shown include construction camber
and must be maintained with falsework in place.



TYPICAL SECTION

CONSTRUCTION ELEVATIONS

Rivison to Bridge over Flockcastle River Sheet 3F

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

FRANKFORT
COUNTY OF
LAUREL

SOMERSET ~ MT. VICTORY ~ LONDON
ROAD

STATION 64+23 PROJECT NO.

BRIDGE NUMBER	DRAWING No. 15425	DATE
------------------	----------------------	------

LAUREL - PULASKI CO. AFH 57-1(3)		SOMERSET - MT. VICTORY - LONDON RD.	
FED. ROAD DIST. NO.	STATE	FED. AND FISCAL SHEET NO.	TOTAL SHEETS
7	KY		

TO MT. VICTORY ←

→ TO LONDON

4' Shld.

67+28.0
E.M. 192

← TOP EDGE FILL →

67

R=60'

P.C. 66+54

N 37°28'W

R=60'

P.C. 66+67

← TOP EDGE FILL →

+31.104 BACK FACE ABUT.

65+87.95 & BRIDGE

FIELD DATA SHEET

Revisions to Bridge over Rockcastle River Sheet 3 G

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

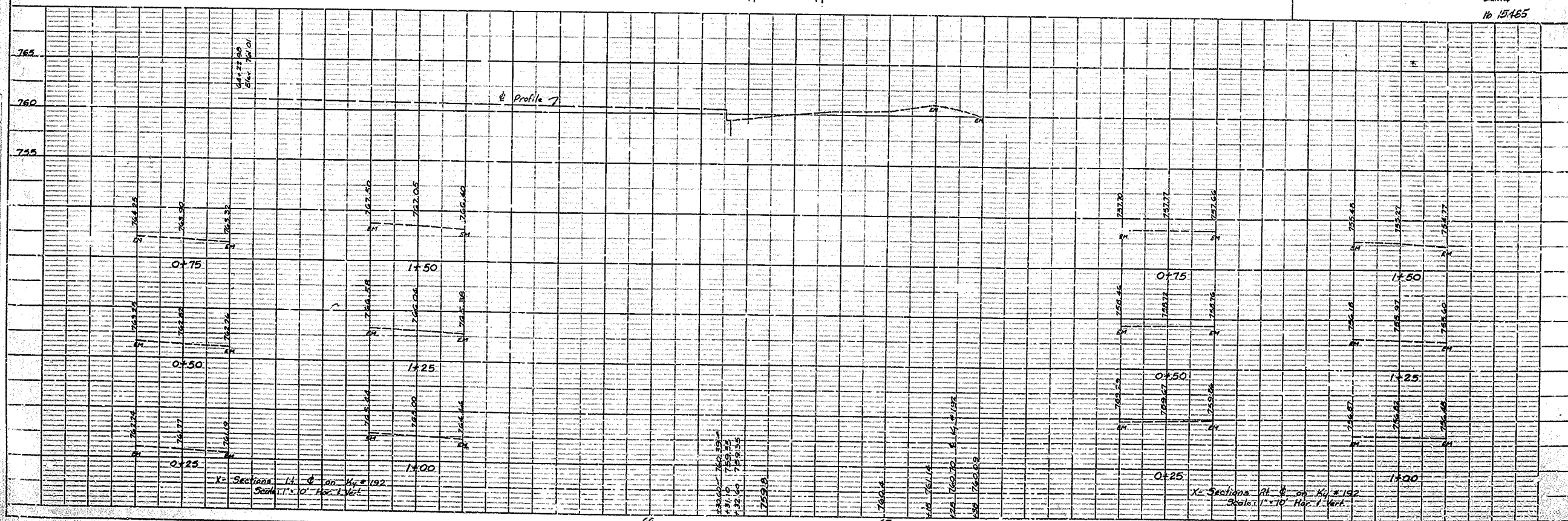
LAUREL
SOMERSET - MT. VICTORY - LONDON
ROAD

STATION 64+23.0

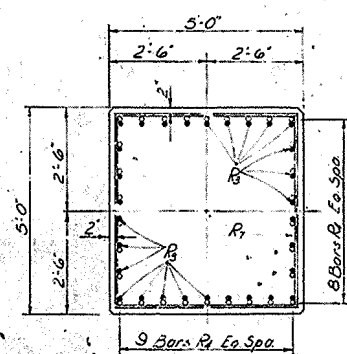
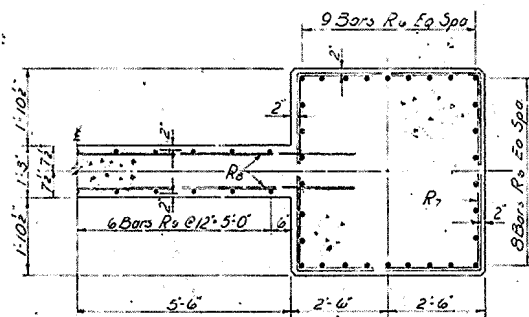
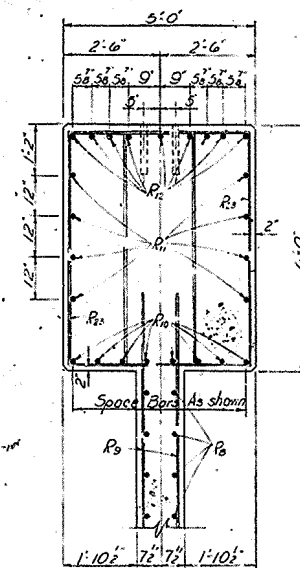
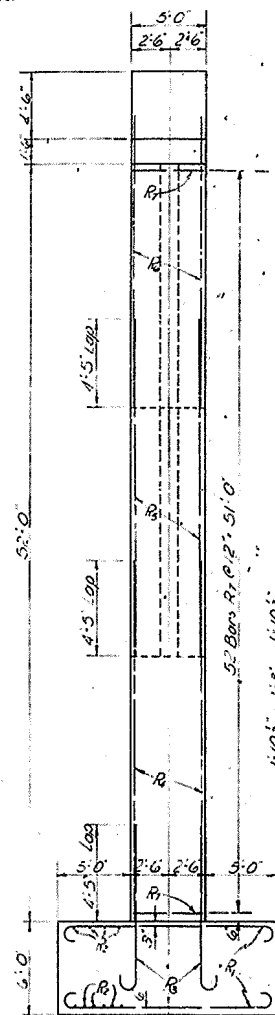
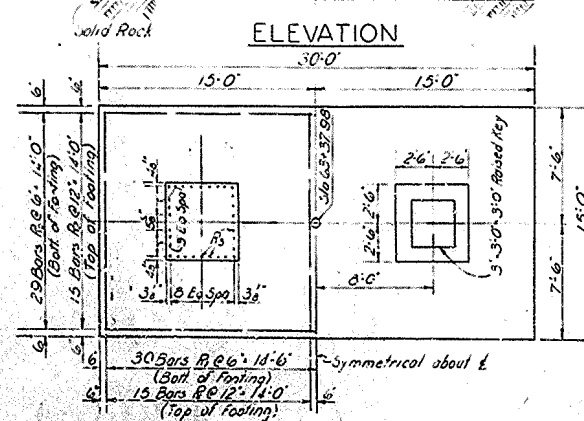
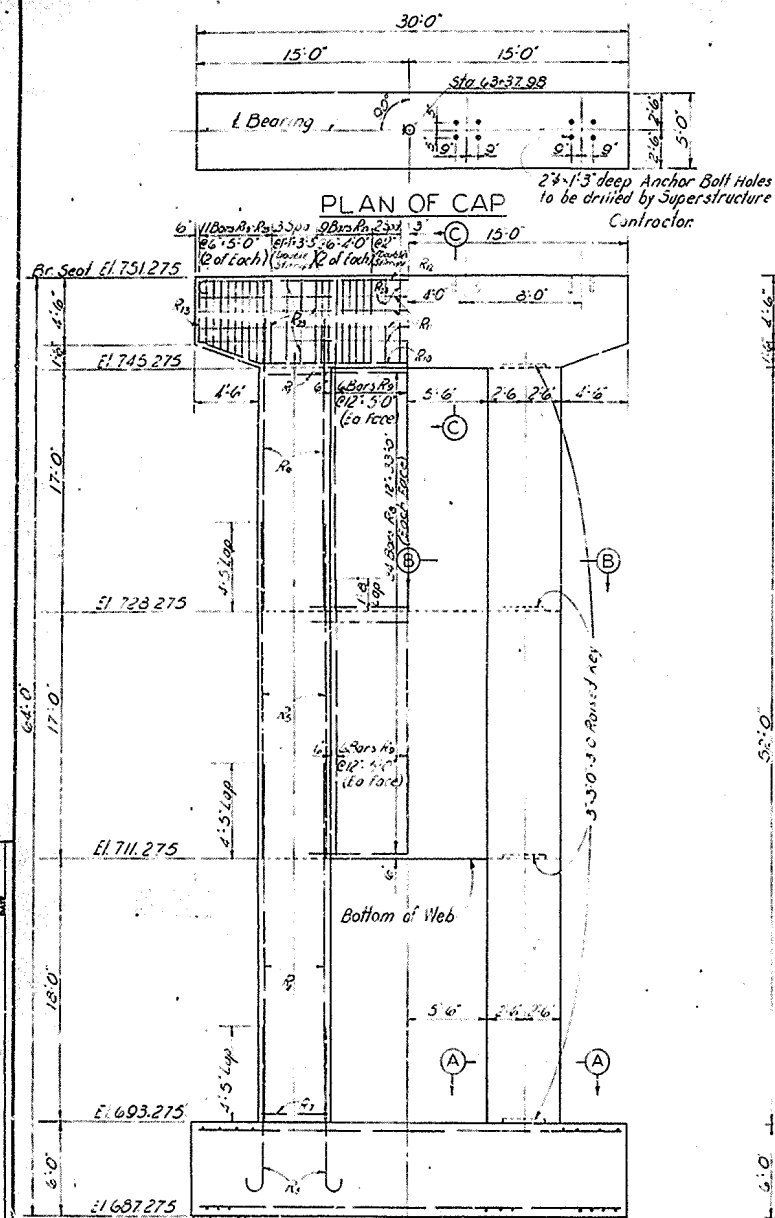
PROJECT NO. 87-1(3)
SHEETS 3 G - 9 B1
DRAFTED

10 15465

66

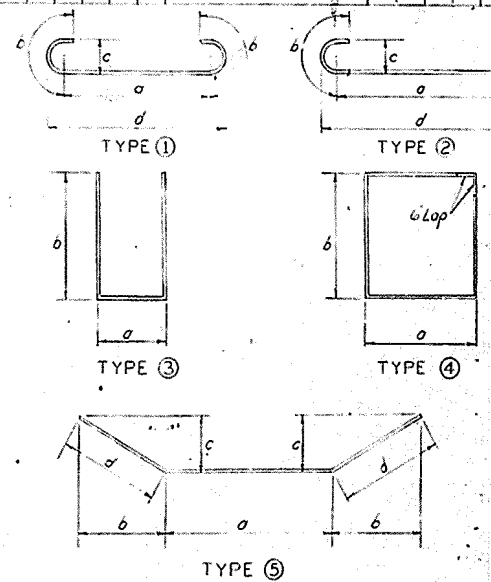


NOTE 1-PLAN AND PROFILE OF R. & R. E. STANDARD



Note: Top of cap bars to be accurately located in accordance with the plans so that they will not interfere with drilling anchor bolt holes.

BILL OF REINFORCEMENT													
No.	In	L	S	length		LOCATION	F	m	D	In	F	C	D
				ft	in								
R ₁	④	89	0	19	0	Footing							
R ₂	④	44	0	29	6								
R ₃	④	60	8	9	6	Col. Dowe							
R ₄	④	90	0	22	5								
R ₅	④	60	0	21	5	Col.							
R ₆	④	60	0	20	0	Col.							
R ₇	④	104	3	19	5	Col. Hoops							
R ₈	④	68	4	19	0	Web							
R ₉	④	50	4	30	0	Web							
R ₁₀	④	50	0	29	6	Cap- Bottom							
R ₁₁	④	50	0	29	6	Cap- Sides							
R ₁₂	④	9	11	32	7	Cap- Top							
R ₁₃	④	4	1	15	9	Cap- Stirrups							
R ₁₄	④	4	1	16	1								
R ₁₅	④	4	1	16	5								
R ₁₆	④	4	1	16	9								
R ₁₇	④	4	1	17	1								
R ₁₈	④	4	1	17	3								
R ₁₉	④	4	1	18	1								
R ₂₀	④	4	1	18	5								
R ₂₁	④	4	1	18	9								
R ₂₂	④	4	1	18	1								
R ₂₃	④	56	4	18	5								



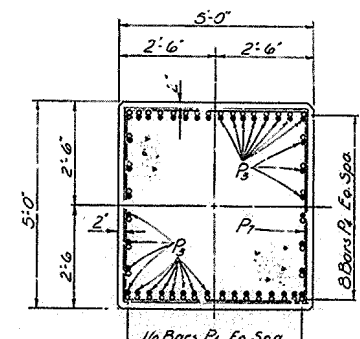
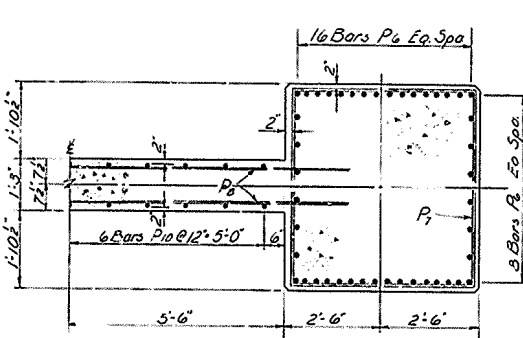
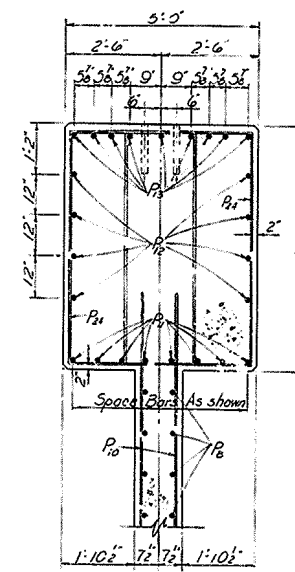
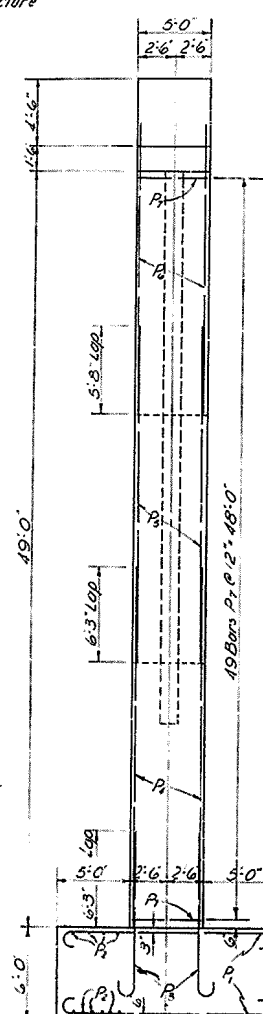
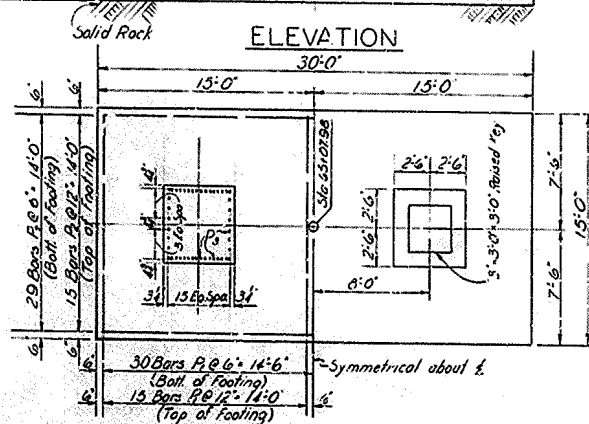
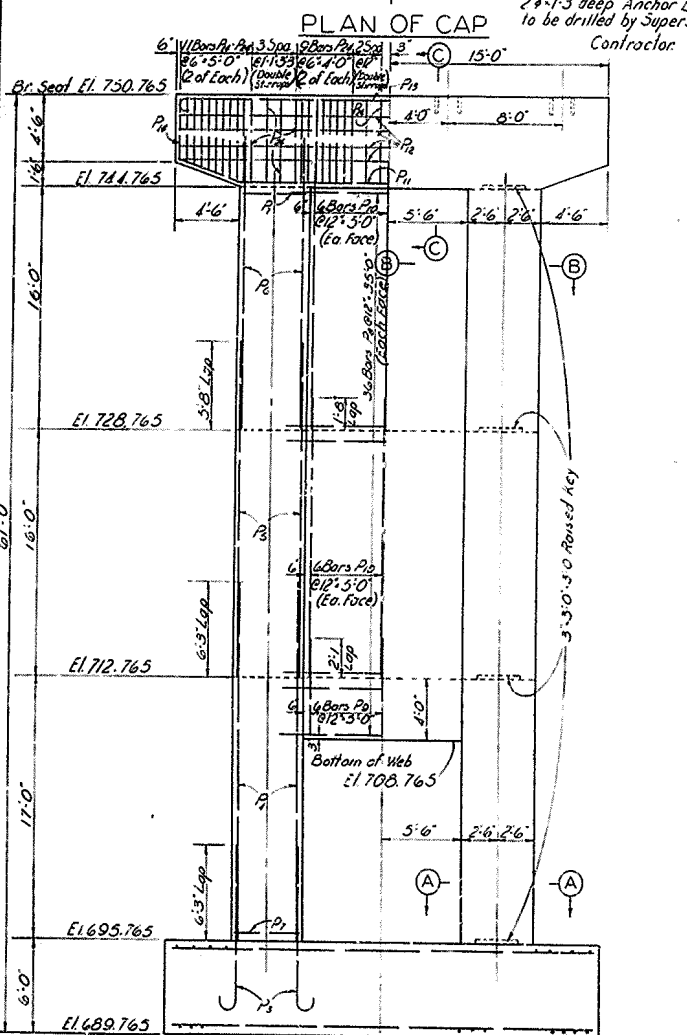
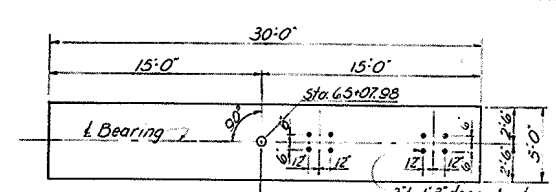
ESTIMATE OF QUANTITIES	
Concrete, Class "A"	245.7 Cu. Yds.
Reinforcement	22,441 Lbs.
Excavation, Common	430 Cu Yds
" " , Solid Rock	80 Cu. Yds

Bridge Over Rockcastle River Sheet 4

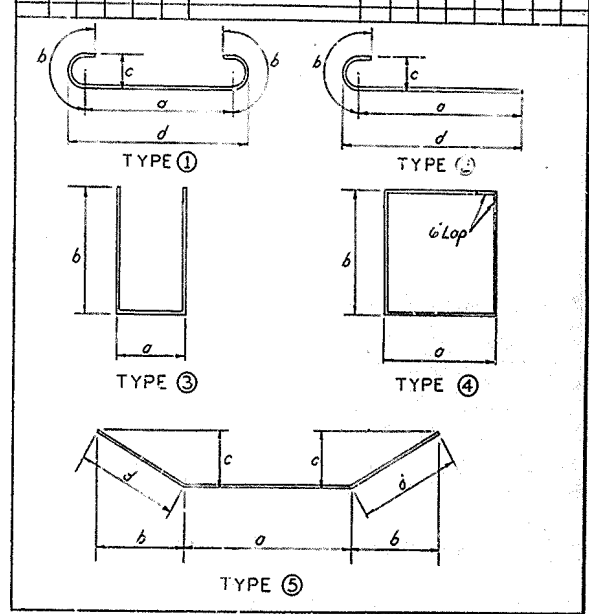
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET~MT. VICTORY~LONDON
ROAD

STATION 64+23.0		PROJECT NO.	
BRIDGE NUMBER		DRAWING 15485	DATE

PIER '1' DETAILS



BILL OF REINFORCEMENT									
No.	Qty	Length	Location	El. In.	El. In.	El. In.	El. In.	El. In.	El. In.
1	20	16.4	Footings	12.0	1.2	0.7	14.7		
2	11	23.3	Col. Dowels	10.3	2.0	1.3	10.98		
3	10	21.8	Col.						
4	10	19.0	Col. Hoops						
5	11	14.0	Web						
6	11	12.8							
7	11	17.8							
8	11	30.0	Cap - Bottom	21.0	4.3	1.6	1.64		
9	11	29.6	Cap - Sides						
10	11	32.7	Cap - Top	28.7	2.0	1.78	20.83		
11	11	15.9	Cap - Shrivels	3.2	4.4				
12	11	16.5		3.2	4.6				
13	11	16.9		3.2	4.8				
14	11	17.1		3.2	5.0				
15	11	17.9		3.2	5.2				
16	11	18.1		3.2	5.4				
17	11	18.5		3.2	5.6				
18	11	18.5		3.2	5.8				
19	11	18.5		3.2	6.0				



ESTIMATE OF QUANTITIES	
Concrete, Class A	211.2 Cu. Yds.
Reinforcement	12,748 Lbs.
Excavation, Common	410 Cu. Yds.
" Solid Rock	370 Cu. Yds.

Bridge Over Rockcastle River Sheet 5

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
LAUREL
 SOMERSET~MT VICTORY~LONDON
 ROAD

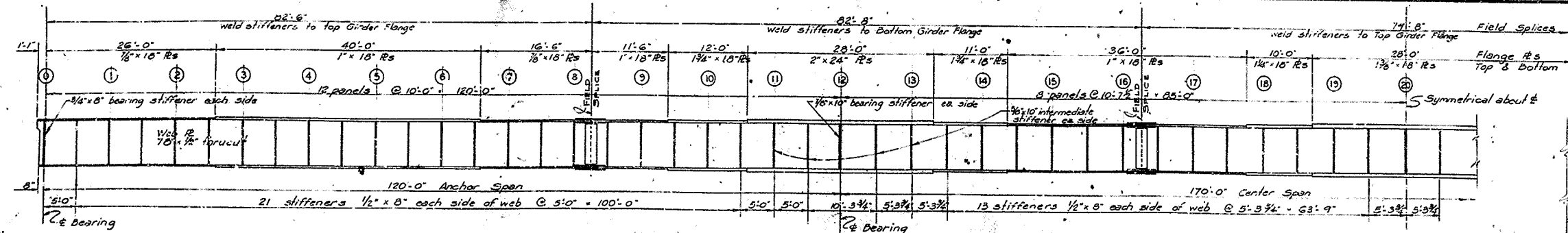
STATION 64+230 PROJECT NO. 15485

BRIDGE NUMBER 15485

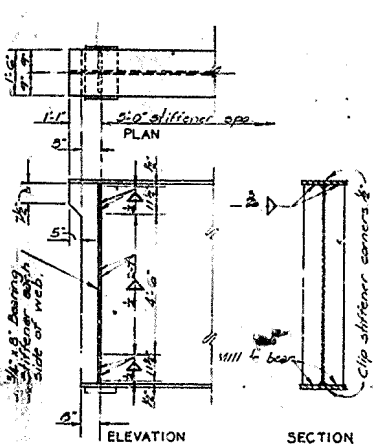
PIER 2 DETAILS

See APP. LETTER 3162 for Rq. 11 Lengths

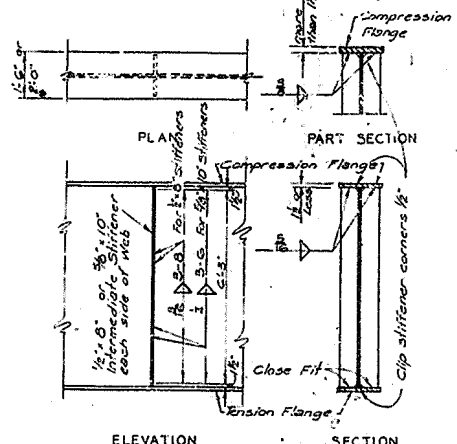
PER. DRAW	DATE	BY	CHKD	APP'D	SCALE	SHEET	TOTAL
7						15	15



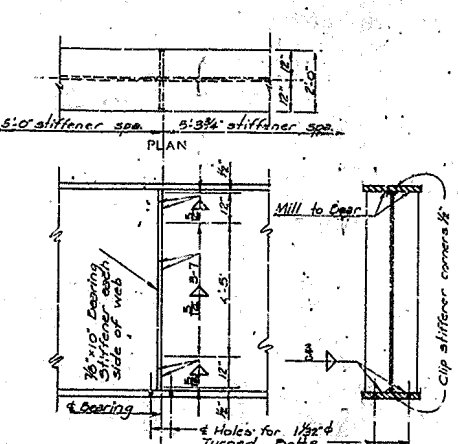
HALF ELEVATION GIRDERS 1 THRU 4



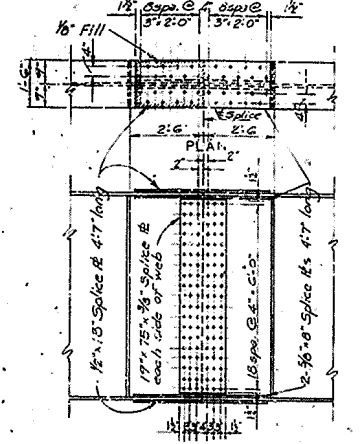
BEARING STIFFENER AT PP 0



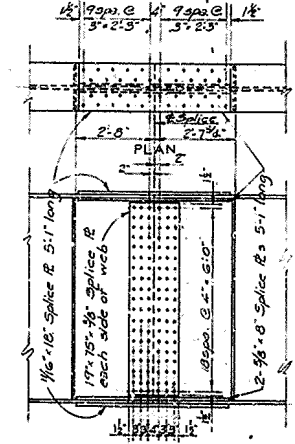
TYPICAL INTERMEDIATE STIFFENER DETAILS



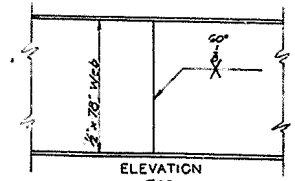
BEARING STIFFENER AT PP 12



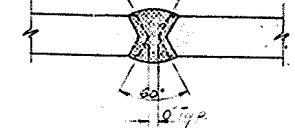
FIELD SPLICE AT PP 8 1/4 (ALSO SEE DETAILS "K" & "L")



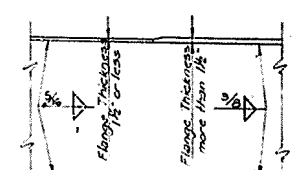
FIELD SPLICE AT PP 16 1/4 (ALSO SEE DETAIL "M")



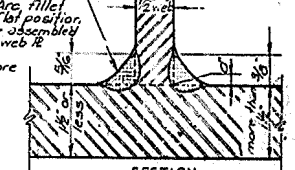
ELEVATION



PLAN



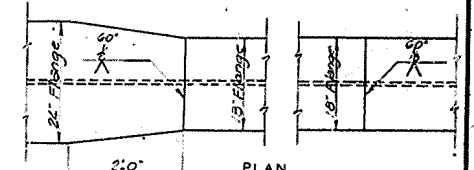
ELEVATION



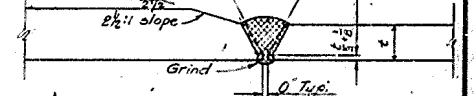
SECTION

NOTE - Flange to web welds to be single pass submerged arc fillet welds in the flat position. Flange to web welds are to be submerged arc fillet welds in the flat position. Flange to web welds are to be submerged arc fillet welds in the flat position.

GIRDER WEB TO FLANGE WELD DETAIL

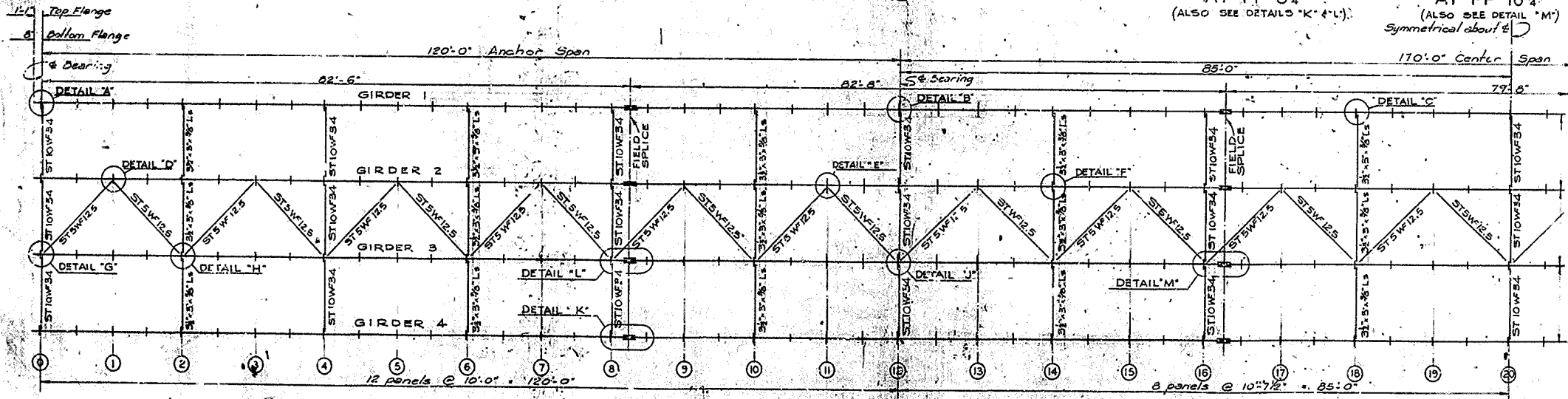


PLAN



ELEVATION

SHOP FLANGE SPLICE



HALF FRAMING PLAN

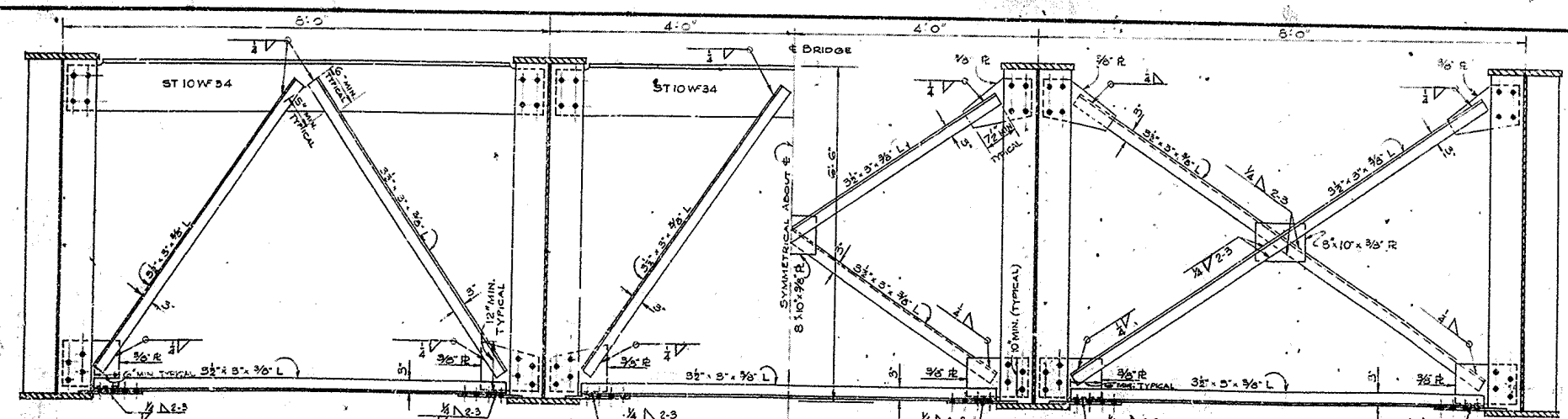
BRIDGE OVER ROCKCASTLE RIVER
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET - MT. VICTORY - LONDON
ROAD
STATION 64+23.0
PROJECT NO. 15485
BRIDGE NUMBER 15485

120'-170'-120' CONT. WELDED PLATE GIRDER
WORK SHEETS 6 THRU 8 TOGETHER

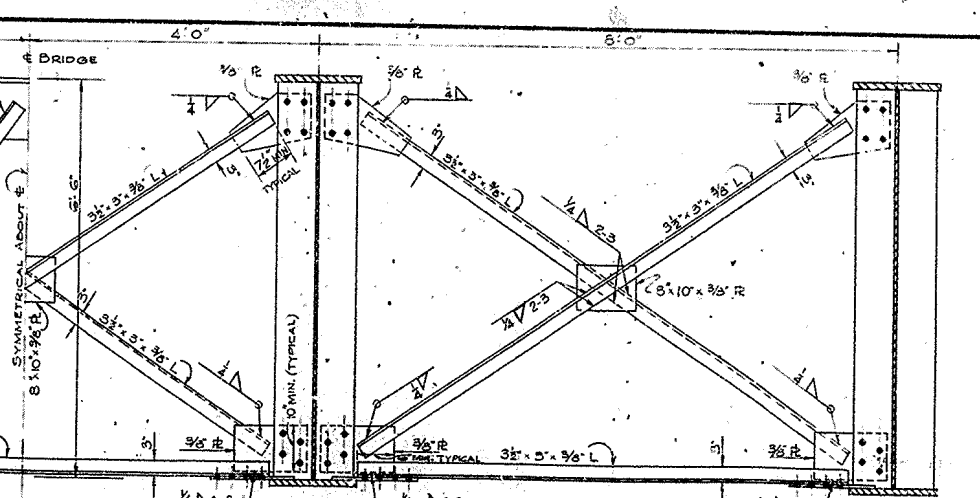
BRIDGE OVER ROCKCASTLE RIVER SHEET 6

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET - MT. VICTORY - LONDON
ROAD
STATION 64+23.0
PROJECT NO. 15485
BRIDGE NUMBER 15485

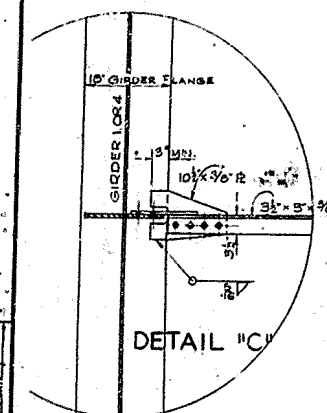
REV.	BY	DATE	DESCRIPTION
7	KY		



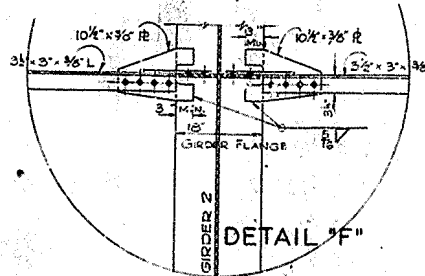
HALF ELEVATION X-FRAME AT PANEL POINTS 0, 4, 8, 16, 20



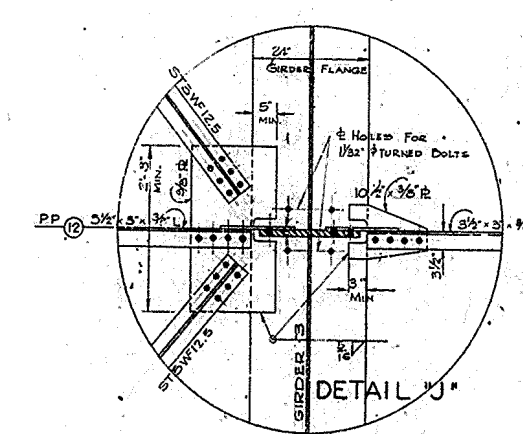
HALF ELEVATION X-FRAME AT PANEL POINTS 2, 6, 10, 14, 18



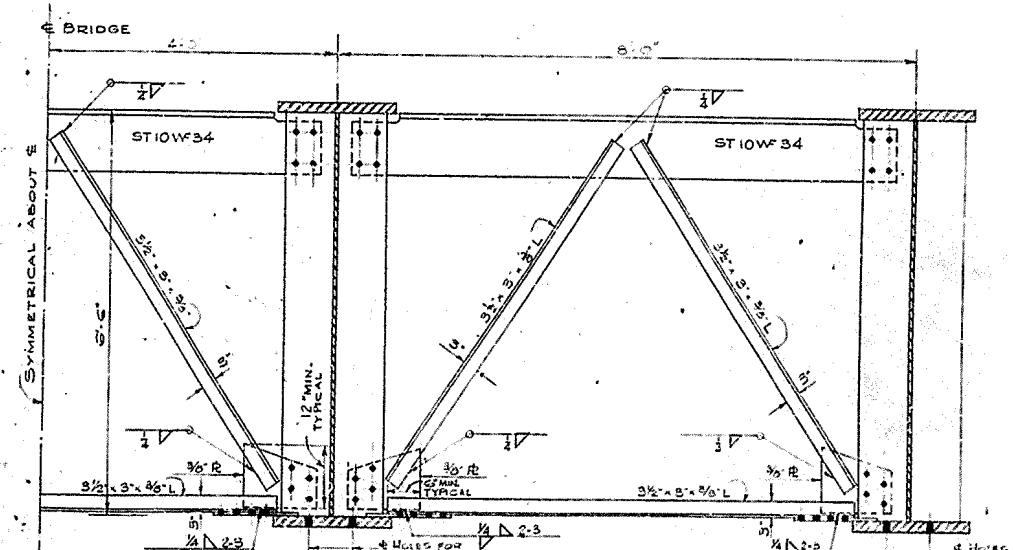
DETAIL "C"



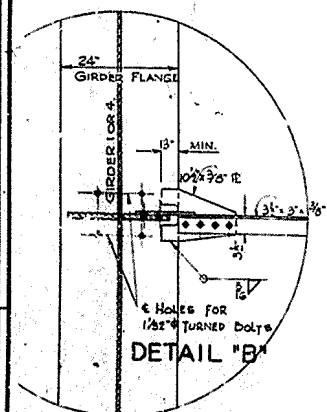
DETAIL "F"



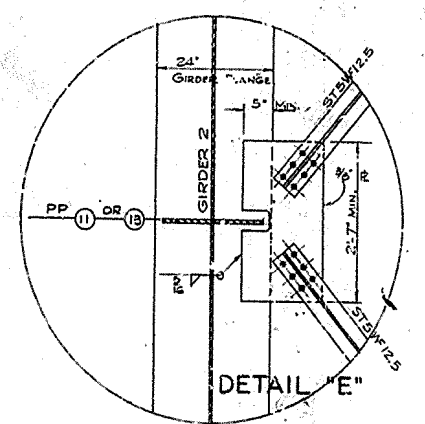
DETAIL "J"



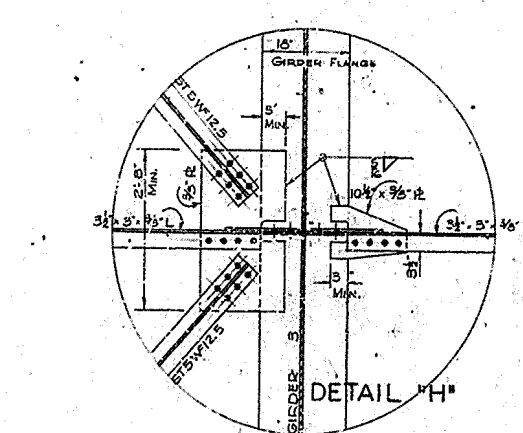
HALF ELEVATION X-FRAME AT PANEL POINTS 12



DETAIL "B"

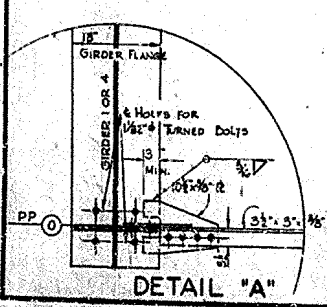


DETAIL "E"

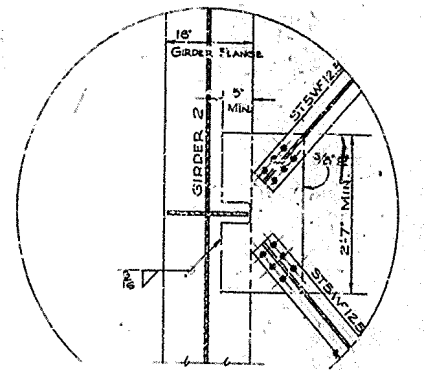


DETAIL "H"

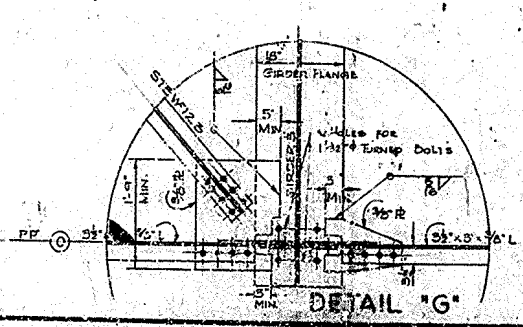
120'-170'-120' CONTINUOUS WELDED PLATE GIRDER
WORK SHEETS 6 THRU 8 TOGETHER



DETAIL "A"



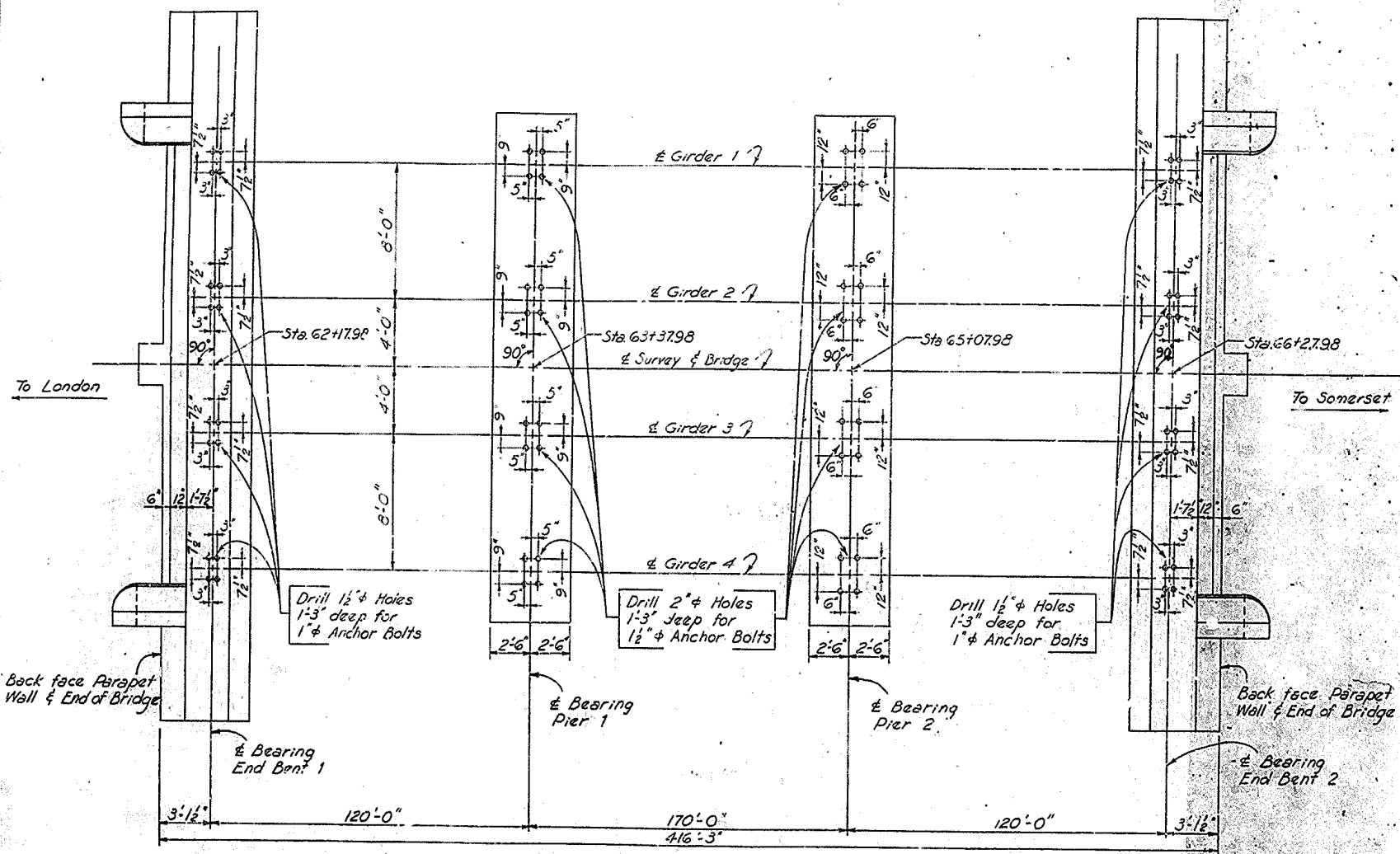
DETAIL "D"



DETAIL "G"

BRIDGE OVER ROCKCASTLE RIVER		SHEET 7	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
LAUREL			
SOMERSET-MT. VICTORY-LONDON			
ROAD			
STATION 64+23.0		PROJECT NO.	
BRIDGE NUMBER	DRAWING NO.	SHEET NO.	
	15485		

NO.	DATE	BY	CHKD.	APP'D.	REMARKS
1					
2					
3					
4					
5					
6					
7					



LOCATION OF ANCHOR BOLTS

NOTE: Holes of depth and dimensions shown shall be drilled for anchor bolts by the superstructure contractor who shall be responsible for keeping holes dry in freezing weather. After base plates are properly set and anchor are placed in drilled holes, molten lead shall be poured in holes and packed until holes are completely filled flush to top of base plates. The cost of drilling anchor bolt holes, furnishing lead, and filling holes with molten lead shall be incidental to and included in the lump sum bid for structural steel.

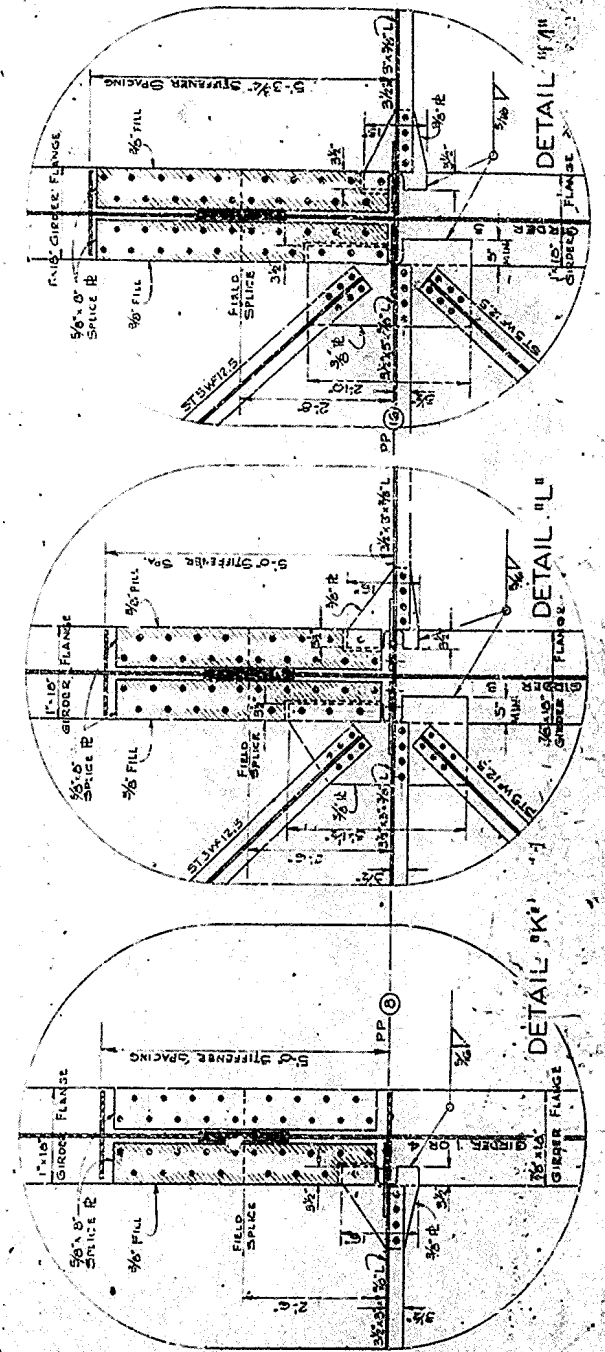
ESTIMATE OF QUANTITIES

STRUCTURAL STEEL	629,556 Lbs.
STEEL PINS	304 Lbs.
CAST IRON	1,144 Lbs.
LEAD PLATES	816 Lbs.
SPANS 1, 2 & 3 TOTAL	631,300 Lbs.

* Does not include any weld material

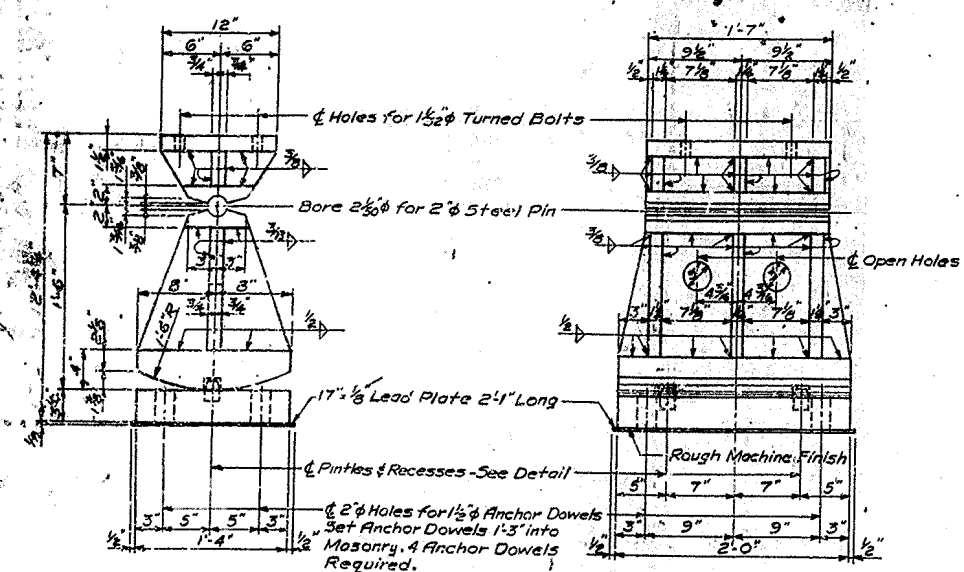
ANCHOR BOLT PLAN & FRAMING DETAILS OF 120-170-120 CONTINUOUS WELDED PLATE GIRDER

WORK SHEETS 6 THRU 8 TOGETHER

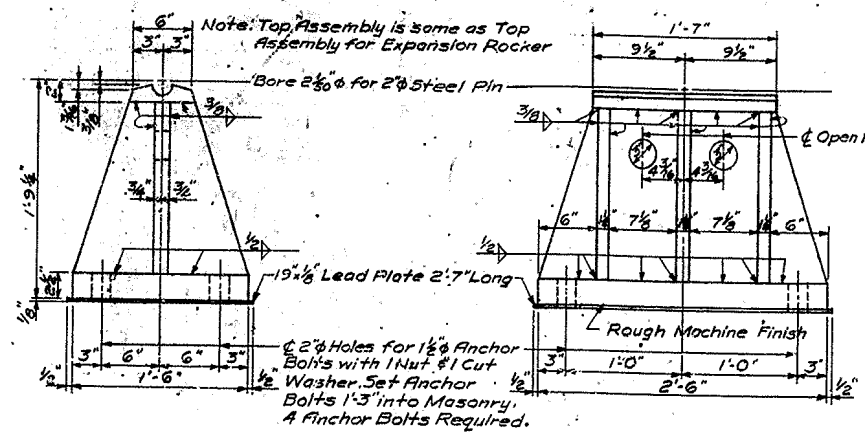


Bridge over Rockcastle River. Sheet 8

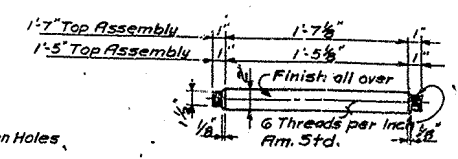
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
LAUREL
 SOMERSET-MT. VICTORY-LONDON
 ROAD PROJECT NO. 7
 STATION 64+230
 BRIDGE NUMBER 15485



EXPANSION ROCKER
 4 Required
 Weight of 1 Assembly
 * Structural Steel = 1212.0 Lb.
 Pin Steel = 20.0 Lb.
 Lead Plate = 21.0 Lb.



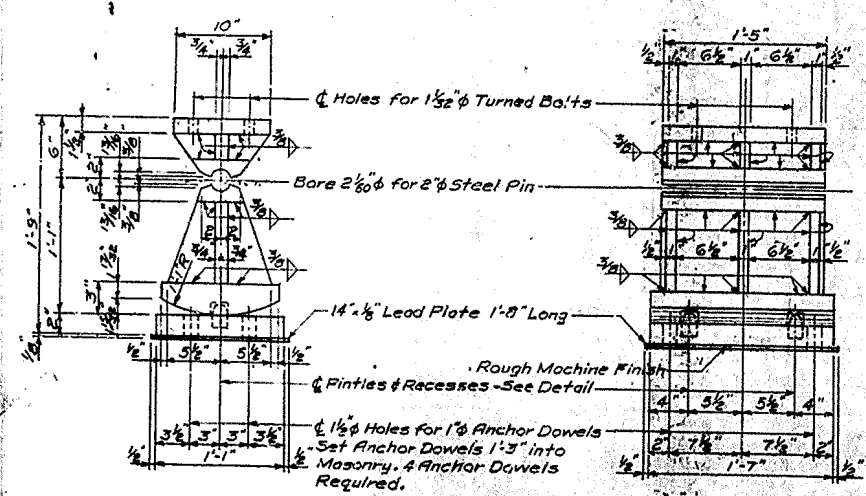
FIXED SHOE
 4 Required
 Weight of 1 Assembly
 * Structural Steel = 1013.0 Lb.
 Pin Steel = 20.0 Lb.
 Lead Plate = 30.0 Lb.



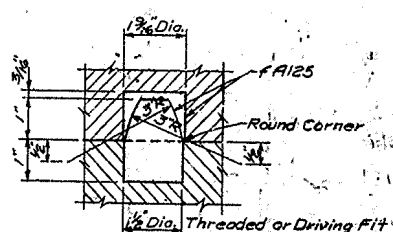
STEEL PIN
 3 Required 1 7/8" Long
 3 Required 1 7/8" Long
 Weight of 1 7/8" Long Pin = 20.0 Lb.
 Weight of 1 5/8" Long Pin = 18.0 Lb.

NOTES

- Specifications — Kentucky Department of Highways 1956 Standard with Amendments.
- Paint — All material shown on this sheet except finished surfaces of steel pins and pin bearing surfaces shall be given one shop coat of Type 1 red lead paint according to specifications. All exposed surfaces not in contact with concrete shall be given two field coats of aluminum paint in accordance with specifications.
- Welding Material — Welding material shall conform to the American Welding Society Specifications for Welded Highway and Railway Bridges, 1956 Edition and subsequent adopted amendments.
- Welding — The cost of welding material and labor to be included in the lump sum bid for structural steel. No direct payment will be made for welding and welding materials.
- Anchor Dowels — The cost of lead required to set anchor dowel and the cost of drilling anchor dowel holes shall be included in the lump sum bid for structural steel. The Contractor shall be responsible for keeping holes dry in wet and freezing weather. At the time of setting, anchor dowels are to be heated to a blue heat to assure free flow of lead to bottom of hole.
- White Lead & Tallow — Finished surfaces of steel pins and pin bearing surfaces in steel shoes shall be coated with white lead and tallow in accordance with current specifications with amendments.
- Plates — Plates must be true and free of warp.
- Mill Test Reports — Notarized statements in triplicate shall be furnished the Department of Highways showing that all structural steel furnished meets specifications.
- Shop Plans — The Contractor shall furnish the Department of Highways with complete shop detail plans in accordance with Article 5.23A.1. of the Specifications.
- Masonry Bearing Plates — One-eighth (1/8) inch thick lead plates or preformed fabric pads may be used.



EXPANSION ROCKER
 8 Required
 Weight of 1 Assembly
 * Structural Steel = 576.3 Lb.
 Pin Steel = 18.0 Lb.
 Lead Plate = 14.0 Lb.



DETAIL OF PINTLE AND RECESS

* Weight includes Anchor Dowels, but does not include Lead Plate, Pin Steel, or Weld Material.

SURFACE FINISH OF STEEL - SPECIFICATIONS	
Structural Steel	A.S.A. 2000
Welding Material	A.S.A. 1000
Mill Ends of Compression Members, Stiffeners & Fillers	A.S.A. 1000
Rollers and Rockers	A.S.A. 880
Lead Plates	A.S.A. 185

A.S.T.M. SPECIFICATIONS	
Structural Steel	A333-35T and A333-61T
Steel Pins	A 108-61T Grade 1015 to 1030 (incl.)
Sheet Lead & Lead for Anchor Dowel Holes	A 602-55

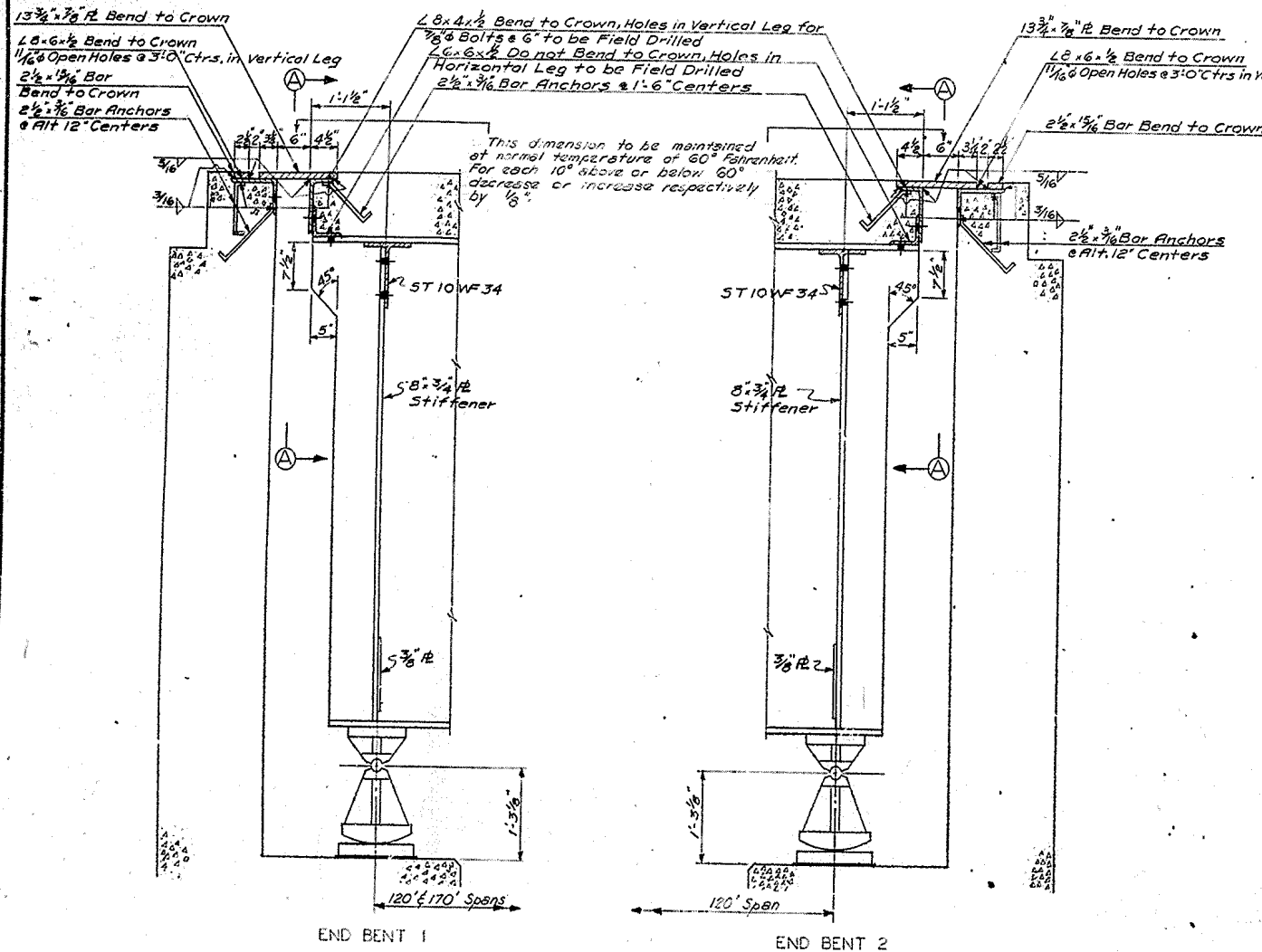
ROCKERS & SHOES

BRIDGE OVER ROCKCASTLE RIVER SHEET 9

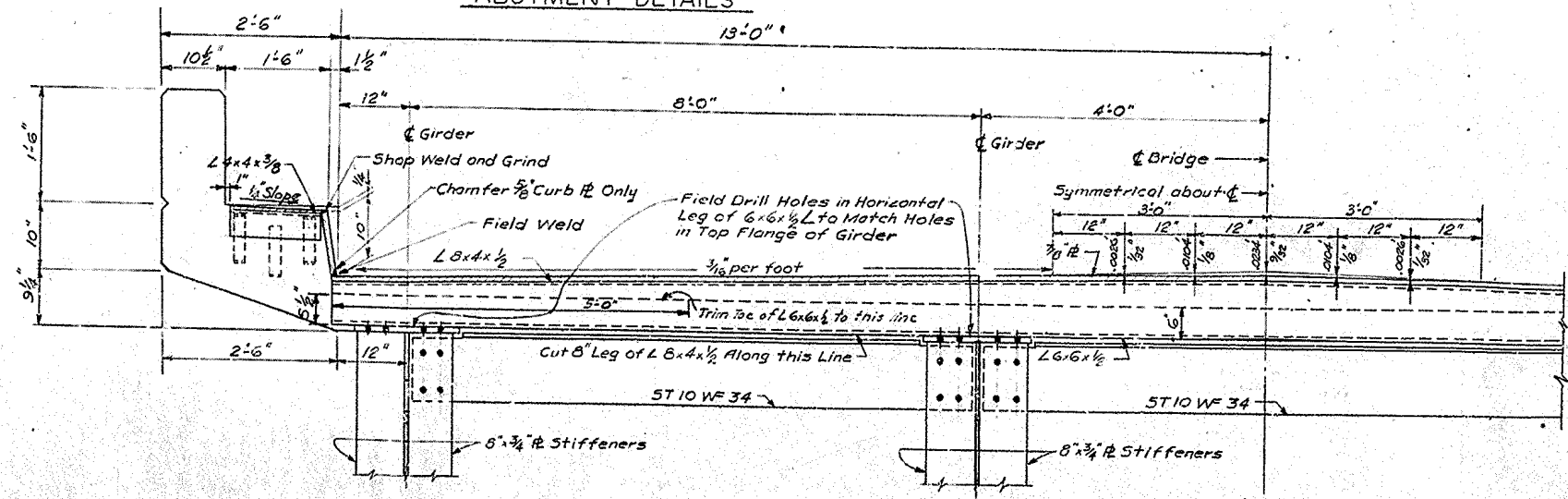
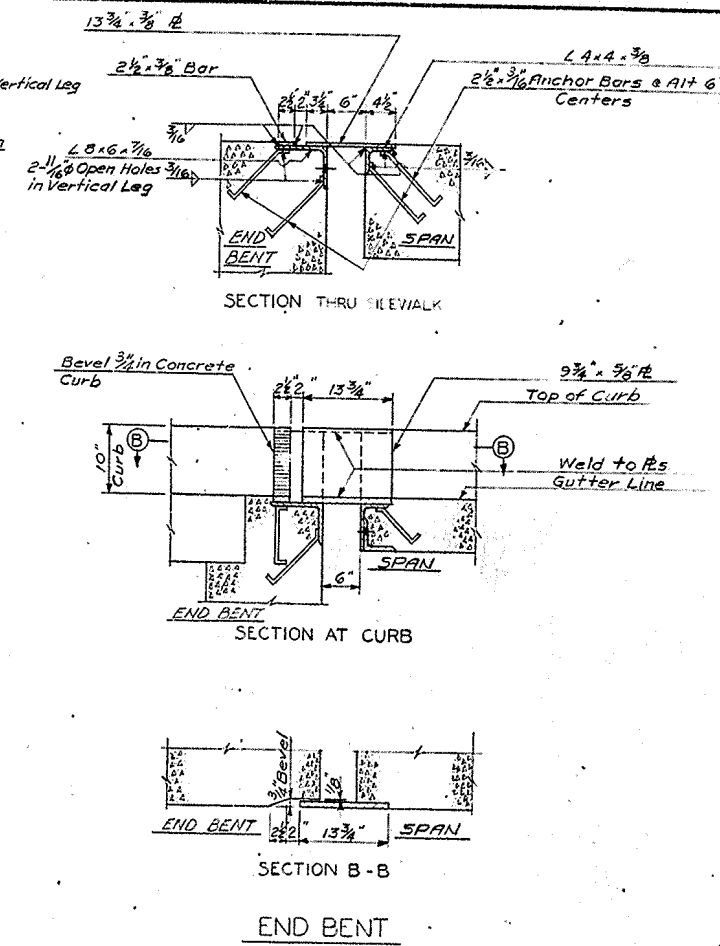
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 LAUREL
 SOMERSET-MT. VICTORY-LONDON
 ROAD

STATION 64+230 PROJECT NO. 15485

REV.	DATE	BY	CHKD.	APP.	TOTAL
7		KT			



ABUTMENT DETAILS



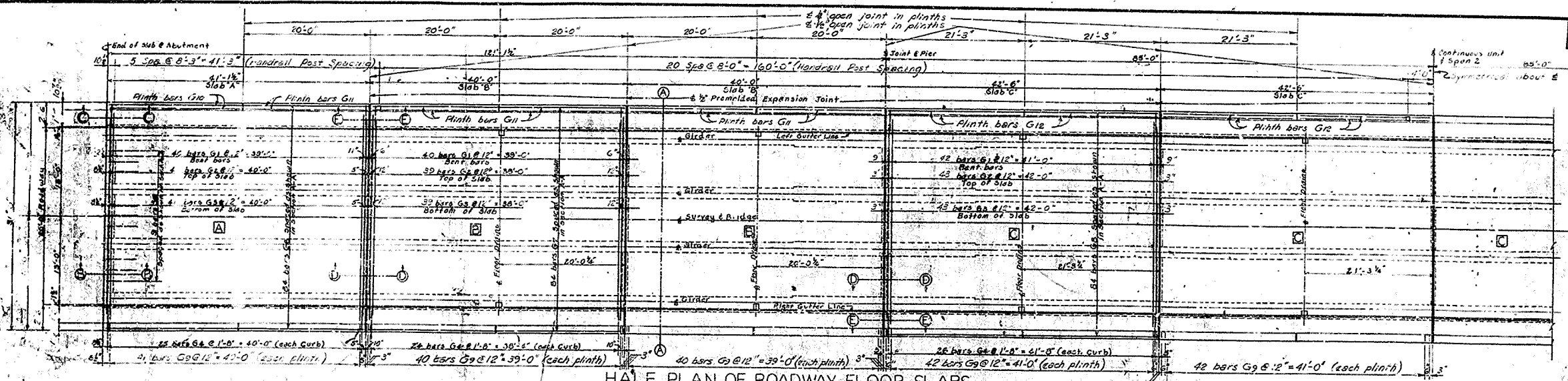
EXPANSION DETAILS

Bridge Over Rockcastle River Sheet 10

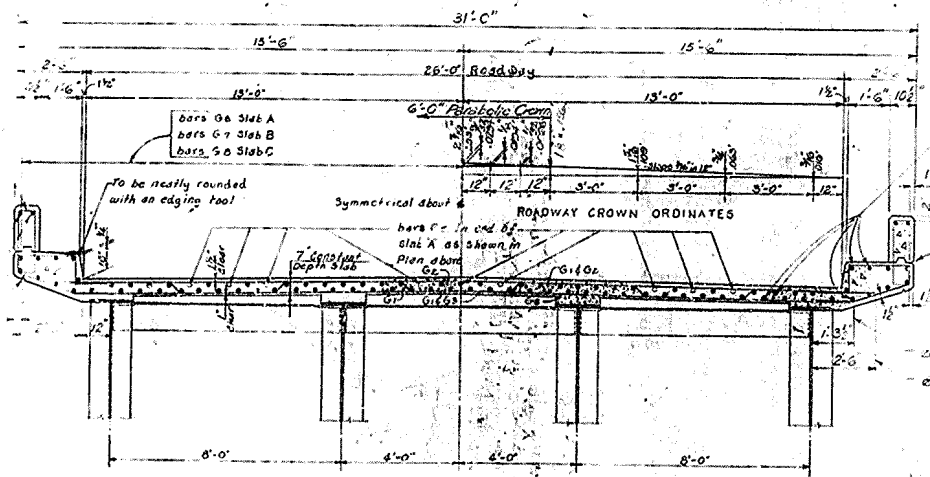
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
LAUREL			
SOMERSET-MT. VICTORY-LONDON			
ROAD			
STATION 64+23.0	PROJECT NO.		
BRIDGE NUMBER	DRAWING NO. 15485	INDEX	

DESIGNED BY: JUNE 25, 1934, E. W. Riddick, DATE: 1/25/35, REVISION: FROM BRIDGE 13351, CHECKED BY: E. W. Riddick, DATE: 1/25/35, TRACED BY: E. W. Riddick, DATE: 1/25/35

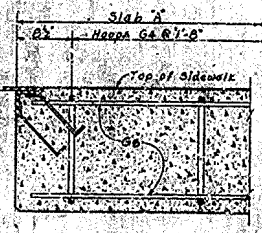
PER. ROAD	HAZ.	PER. AIR	PER. CIVIL	PER. ELEC.	PER. MECH.
7	KT.				



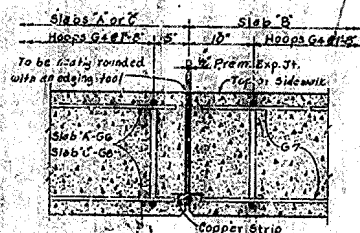
HALF PLAN OF ROADWAY FLOOR SLABS
LONGITUDINAL DIMENSIONS ARE SLOPE MEASUREMENTS ALONG GRADE



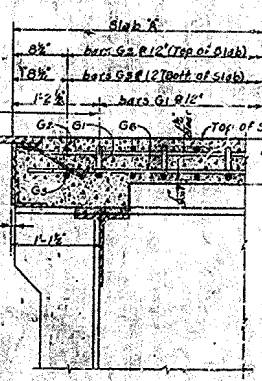
TYPICAL SECTION A-A



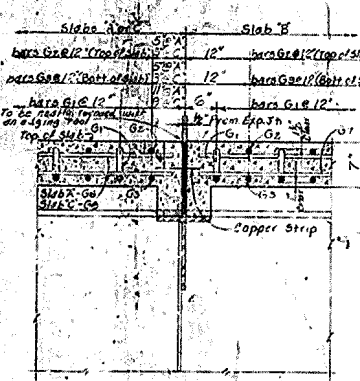
SECTION C-C



SECTION E-E

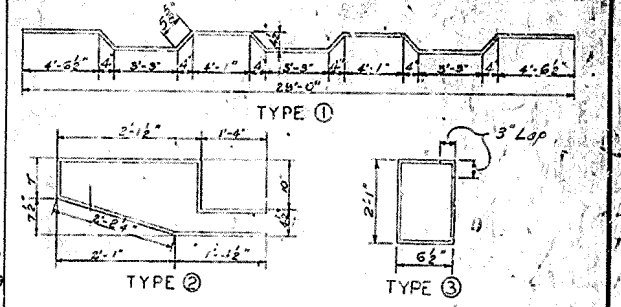


SECTION B-B



SECTION D-D

BILL OF REINFORCEMENT									
MARK	TYPE	NUMBER			BAR	LENGTH	LOCATION		
		SLAB	CLAS	TOTAL	SIZE	FT. IN.			
G1	①	40	40	20	10	5	All Slabs, Transverse		
G2	Str.	41	23	410	6	29			
G3	Str.	41	23	410	6	26	Top of all Slabs, Transverse		
G4	②	50	48	52	500	5	Bottom of all Slabs, Transverse		
G5	Str.	9	—	18	4	5			
G6	Str.	84	—	160	4	5	Sidewalk Hoops, All Slabs		
G7	Str.	84	—	336	4	39			
G8	Str.	—	84	336	4	42	End of Slabs A		
G9	③	336	352	852	3	5			
G10	Str.	8	—	8	4	20	Longitudinal Slab A		
G11	Str.	8	32	40	4	19			
G12	Str.	—	32	32	4	21	Longitudinal Slab B		



ESTIMATE OF QUANTITIES	
Concrete, Class X	378.9 cu yds.
Reinforcement	75,402 Lbs.

①	④	②	③	⑤	⑥	③	②	④	①
A	B	C	D	E	F	G	H	I	J

SLAB POURING SEQUENCE

TOTAL NUMBER OF SLABS REQUIRED	
DESCRIPTION	NO. REQUIRED
SLABS 'A'	2
SLABS 'B'	4
SLABS 'C'	4
TOTAL	10

DETAILS OF ROADWAY FLOOR SLABS

Bridge over Rockcastle River Sheet 12

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET - MT. VICTORY - LONDON
ROAD

STATION 64+230 PROJECT NO.
BRIDGE NUMBER 15485

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

NOTES

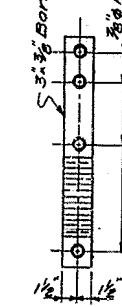
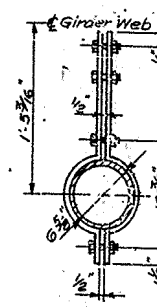
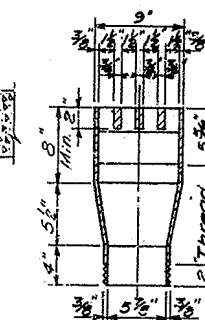
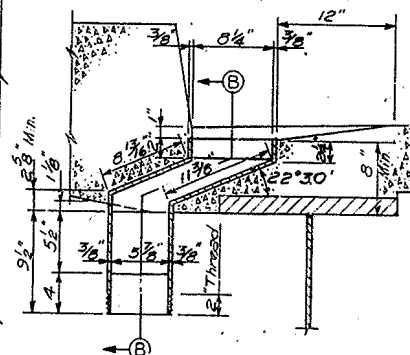
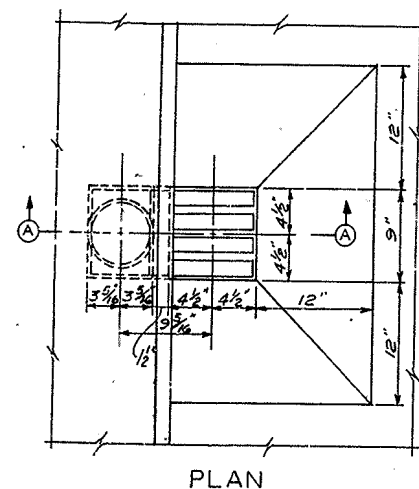
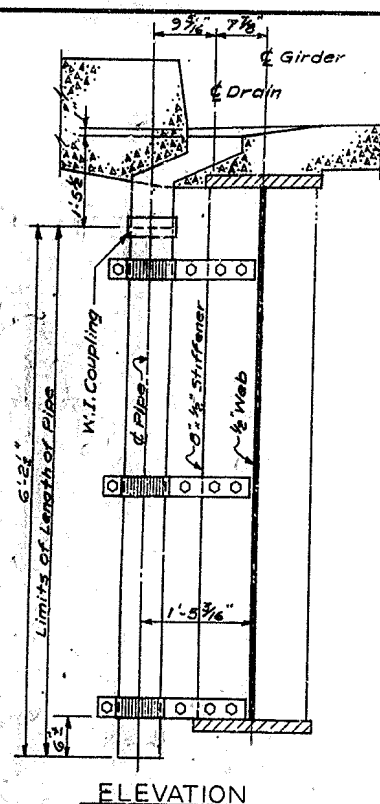
Foundry Note:
All drains to be gray iron castings A.S.T.M. A48-60 except that tensile and transverse tests are not required. Form T-521 Report of Field Inspection of Castings is to be submitted to the Laboratory.
Drains are to be furnished by the Superstructure Contractor and the cost of furnishing and placing same is to be included in the lump sum bid price for Structural Steel.

Wrought Iron Pipe:
Wrought iron pipe is to be 6" Standard Weight 19.0 lb. per linear foot in accordance with A.S.T.M. A72-53T. Pipe, fittings, and connections are to be paid for at unit price per linear foot of pipe and connections complete in place. (Length to be measured along ϵ of pipe between limits shown on drawing.) Pipe and all fittings to be given one coat of red lead and two field coats of aluminum paint in accordance with the Specifications.

Seamless Pipe:
Seamless pipe is to be 6" standard weight containing a minimum of .75% copper and 1.5% nickel and having a minimum tensile strength of 50,000 psi. Pipe, fittings, and connections are to be paid for at unit price per linear foot of pipe and connections complete in place. (Length to be measured along ϵ of pipe between limits shown on drawing.) Pipe and all fittings to be given one coat of red lead and two field coats of aluminum paint in accordance with the Specifications.

Note: All pipe to be 6" W.I. or 6" Seamless

Total 6" Pipe required = 99.33 Linear Ft.



PLAN

SECTION A - A

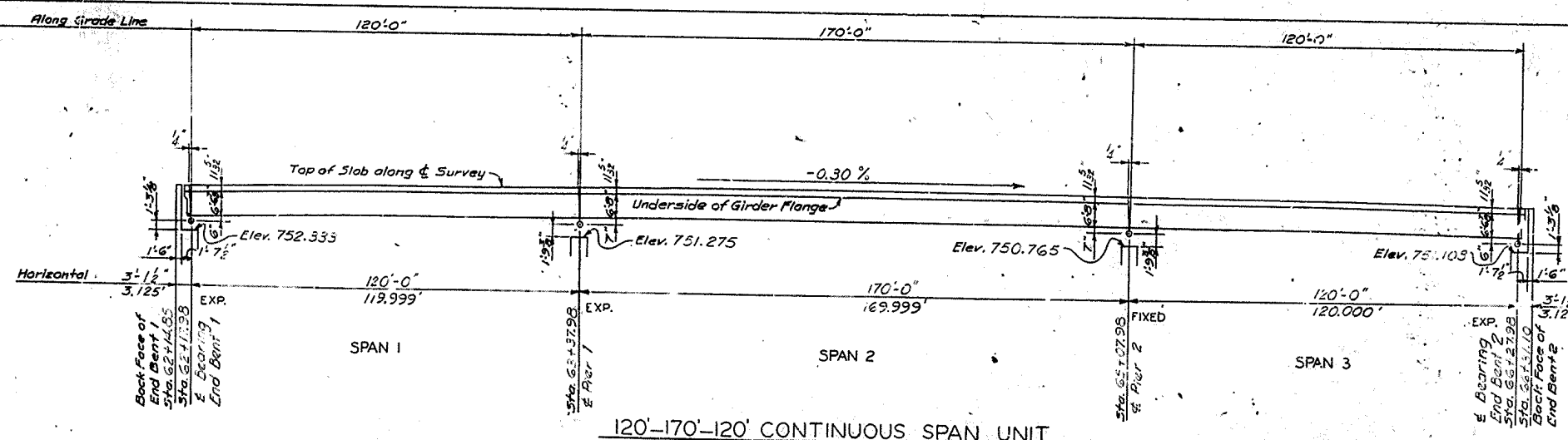
SECTION B - B

DRAIN PIPE BRACKET

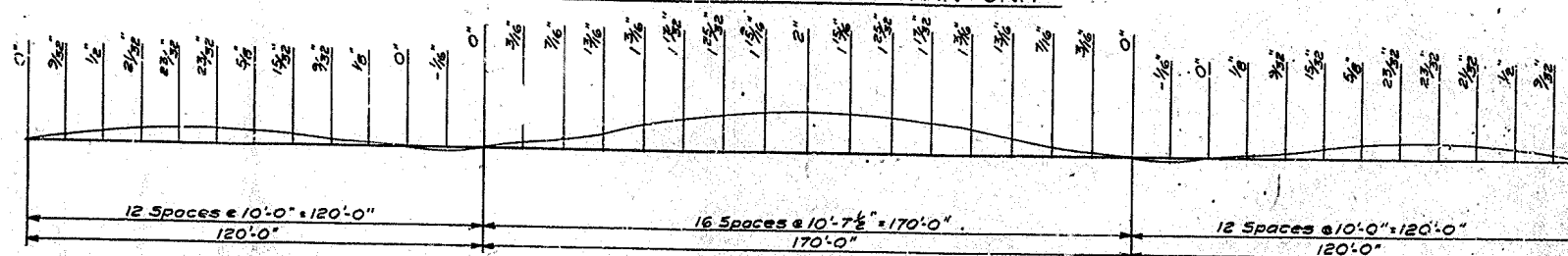
DRAINS

16 Required

* Weight of Each Drain = 74.0 Lb.
For Location of Drains See Sheet 12
* Weight includes 5% for Fillets and Overrun



120'-170'-120' CONTINUOUS SPAN UNIT



SHOP CAMBER DIAGRAM
TOTAL DEAD LOAD

DRAINS, WROUGHT IRON PIPE, & CAMBER DIAGRAM

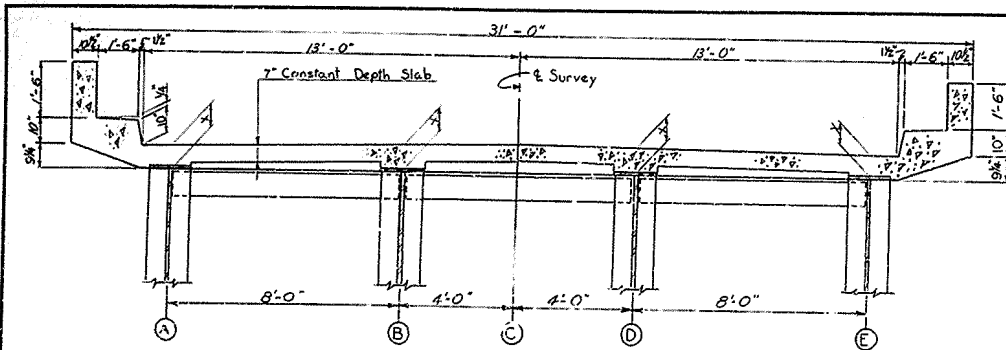
NOTE

Camber Diagram shown on this sheet includes the weight of concrete deck, handrail, future surfacing, and structural steel.

Bridge over Rockcastle River Sheet 13

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET-MT. VICTORY-LONDON

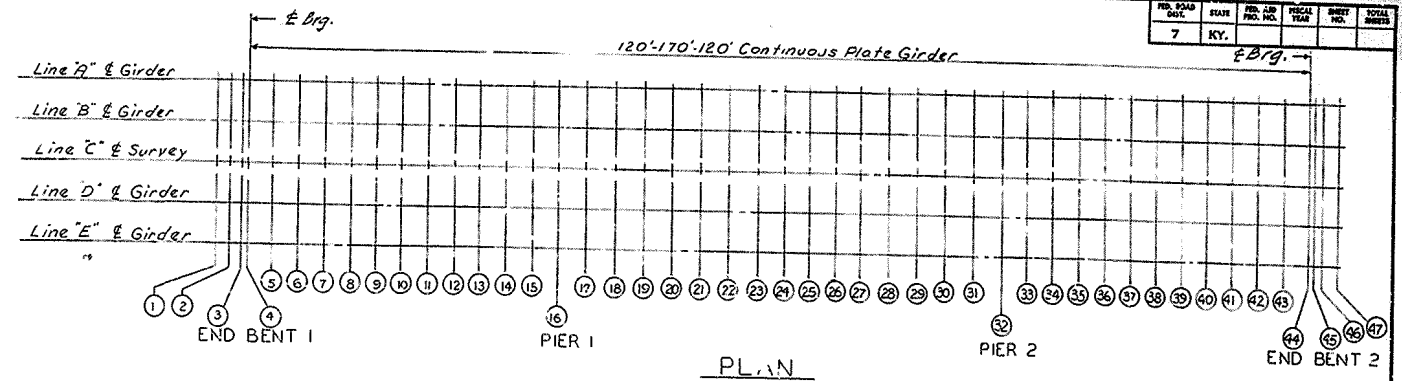
STATION 64+23.0
BRIDGE NUMBER
PROJECT NO.
DEAD END NO. 15-185



TYPICAL CROSS SECTION

TABLE OF ELEVATIONS FOR SETTING SLAB FORMS FOR 120'-170'-120' PLATE GIRDER

SECTION	STATION	LINE "A"			LINE "B"			LINE "C"			LINE "D"			LINE "E"		
		Const. El.	Steel El.	Dim. X	Const. El.	Steel El.	Dim. X	Const. El.	Steel El.	Dim. X	Const. El.	Steel El.	Dim. X	Const. El.	Steel El.	Dim. X
1	62+14.654	761.441			761.516			761.605	761.605		761.546			761.441		
2	62+16.854	.437			.562			.601	.601		.562			.437		
3	62+18.854	.455			.560			.599	.599		.560			.435		
4	62+18	.454	760.750	.612	.557	760.740	.817	.536	.536		.557	760.760	.777	.432	760.760	.672
5	62+28	.419	.750	.669	.544	.740	.604	.566	.583		.544	.750	.774	.419	.765	.684
6	62+38	.404	.760	.644	.559	.740	.777	.536	.568		.529	.755	.774	.404	.760	.644
7	62+48	.384	.720	.604	.509	.715	.774	.506	.542		.509	.720	.719	.384	.730	.684
8	62+58	.359	.710	.649	.484	.700	.774	.476	.523		.484	.710	.774	.359	.710	.649
9	62+68	.329	.630	.699	.454	.650	.824	.446	.493		.454	.680	.774	.329	.685	.644
10	62+78	.293	.590	.703	.418	.620	.777	.416	.457		.418	.695	.773	.293	.680	.643
11	62+88	.254	.545	.709	.378	.560	.818	.386	.415		.378	.675	.773	.254	.580	.679
12	62+98	.212	.500	.672	.337	.500	.887	.356	.376		.337	.690	.777	.212	.520	.652
13	63+08	.170	.480	.690	.295	.440	.855	.324	.334		.295	.670	.777	.170	.470	.700
14	63+18	.132	.440	.642	.257	.470	.787	.296	.296		.257	.670	.777	.132	.480	.682
15	63+28	.093	.480	.619	.224	.460	.744	.266	.266		.224	.650	.764	.093	.480	.619
16	63+38	.012	.435	.637	.197	.440	.767	.236	.236		.197	.630	.747	.072	.460	.622
17	63+48.815	.050	.420	.630	.176	.410	.765	.204	.214		.176	.615	.760	.050	.420	.630
18	63+58.254	.034	.380	.654	.159	.385	.774	.172	.198		.159	.590	.769	.034	.400	.634
19	63+68.873	.023	.310	.713	.148	.310	.828	.110	.187		.148	.570	.828	.023	.395	.677
20	63+80.40	.014	.320	.694	.139	.330	.809	.108	.178		.139	.545	.814	.014	.340	.674
21	63+91.78	761.004	.305	.679	.129	.325	.804	.077	.168		.129	.520	.809	761.004	.380	.674
22	64+01.150	760.988	.330	.658	.113	.360	.755	.045	.152		.113	.540	.773	760.988	.360	.628
23	64+12.235	.366	.305	.661	.092	.340	.752	.03	.131		.092	.540	.762	.366	.345	.621
24	64+23.000	.338	.300	.668	.063	.325	.739	760.981	.102		.063	.530	.753	.338	.320	.607
25	64+33.618	.302	.240	.662	.024	.265	.763	.349	.067		.028	.530	.753	.302	.265	.637
26	64+44.753	.860	.185	.675	760.985	.220	.765	.917	.024		760.985	.220	.765	.860	.220	.640
27	64+54.815	.812	.070	.732	.337	.120	.817	.885	760.976		.937	.125	.812	.812	.125	.687
28	64+65.300	.759	.080	.727	.884	.060	.824	.853	.923		.884	.090	.794	.759	.065	.694
29	64+76.125	.705	759.985	.720	.830	759.985	.895	.822	.849		.830	.015	.815	.705	.010	.695
30	64+86.15	.652	.990	.662	.777	760.000	.777	.790	.816		.777	.025	.782	.652	.010	.642
31	64+97.315	.604	.980	.624	.729	759.970	.759	.758	.768		.729	759.975	.741	.604	759.970	.634
32	65+08.000	.562	.930	.621	.687	.725	.762	.726	.726		.687	.730	.767	.562	.740	.622
33	65+18	.529	.910	.619	.654	.715	.761	.696	.694		.654	.710	.764	.529	.770	.639
34	65+28	.502	.870	.632	.627	.691	.717	.666	.666		.627	.715	.762	.502	.730	.672
35	65+38	.480	.790	.690	.605	.750	.855	.686	.644		.605	.770	.835	.480	.745	.735
36	65+48	.442	.710	.682	.587	.750	.837	.606	.626		.587	.760	.827	.442	.725	.737
37	65+58	.444	.770	.674	.568	.720	.837	.576	.608		.568	.750	.818	.444	.720	.724
38	65+68	.423	.770	.655	.548	.790	.808	.546	.587		.548	.750	.778	.423	.725	.698
39	65+78	.399	.760	.639	.524	.720	.804	.516	.563		.524	.730	.779	.399	.710	.687
40	65+88	.379	.725	.694	.494	.705	.787	.486	.533		.494	.705	.777	.379	.690	.677
41	65+98	.357	.675	.659	.459	.670	.787	.456	.498		.459	.680	.807	.354	.645	.674
42	66+08	.294	.620	.674	.419	.630	.787	.426	.458		.419	.605	.819	.294	.635	.677
43	66+18	.249	.565	.684	.374	.565	.801	.396	.413		.374	.560	.814	.249	.600	.679
44	66+28	.202	.600	.702	.327	.505	.822	.366	.366		.327	.620	.807	.202	.625	.677
45	66+39.104	.199			.324			.363	.363		.324			.199		
46	66+49.504	.197			.322			.361	.361		.322			.197		
47	66+51.104	.193			.318			.357	.357		.318			.193		



CONSTRUCTION NOTE

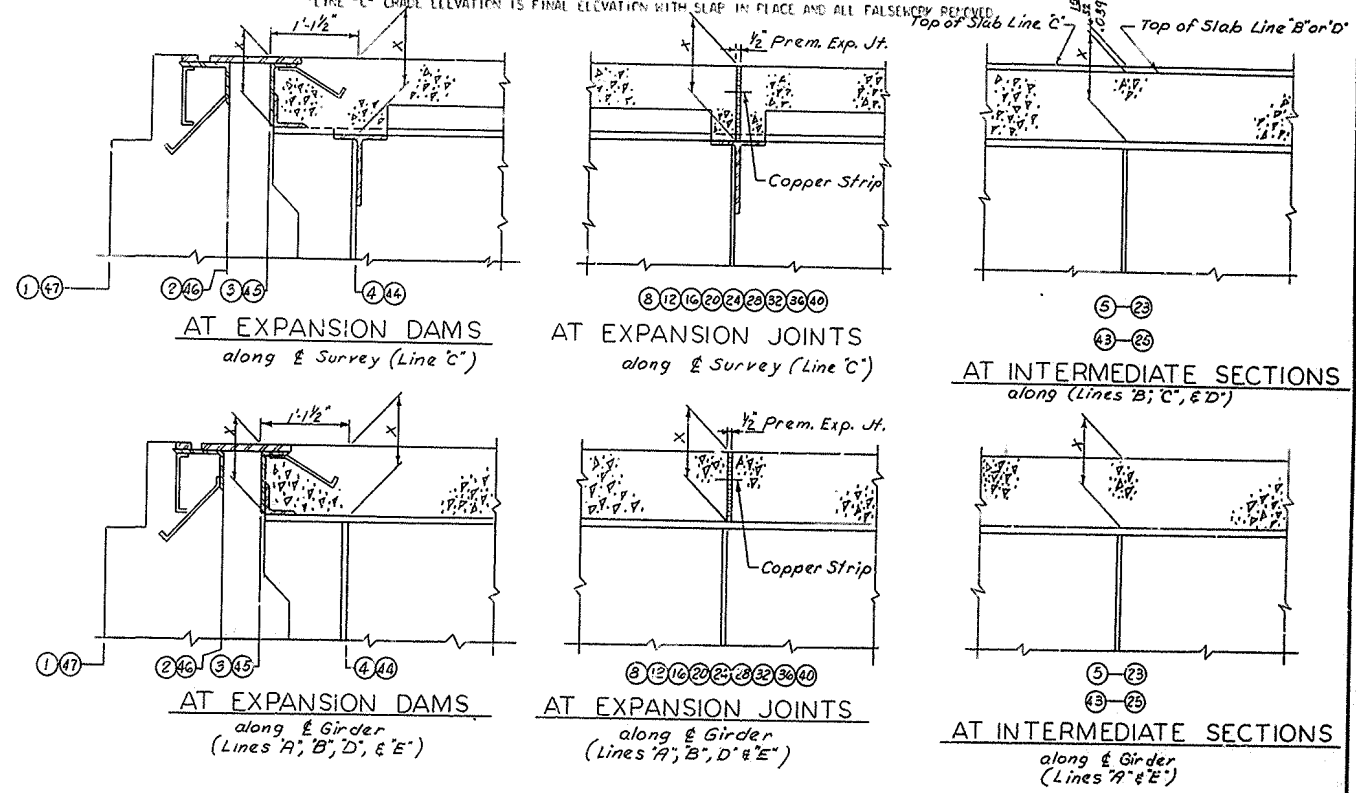
TAKE ELEVATIONS ON TOP OF STEEL AT POINTS INDICATED AFTER CROSS FRAMES AND LATERAL BRACING ARE IN PLACE AND AFTER ALL FALSEWORK HAS BEEN REMOVED, BUT ELEVATE FORMS FOR CONCRETE SLABS HAVE BEEN PUT IN PLACE. READ ELEVATIONS TO THREE DECIMALS USING A TARGET ROD AND ENTER READINGS IN TABLE UNDER "STEEL ELEVATIONS".

COMPUTE "DIMENSION X" AS FOLLOWS: CONSTRUCTION ELEVATION MINUS STEEL ELEVATION EQUALS DIMENSION X. CONSTRUCTION ELEVATIONS INCLUDE CAREER DUE TO WEIGHT OF CONCRETE SLAB, FLINTH, HANDRAIL, AND FUTURE SURFACING.

FOR SETTING TEMPLATES MEASURE DIMENSION X ABOVE TOP OF STEEL FOR TOP OF TEMPLATE. DO NOT SET TEMPLATES BY ELEVATIONS.

CONSTRUCT HANDRAIL FLINTH TO SIDEWALK GRADE. DO NOT ADD CAREER TO HANDRAIL FLINTH.

"LINE "C" GRADE ELEVATION IS FINAL ELEVATION WITH SLAB IN PLACE AND ALL FALSEWORK REMOVED.



ELEVATIONS

BRIDGE OVER ROCKCASTLE RIVER SHEET 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL
SOMERSET - MT. VICTORY - LONDON
ROAD

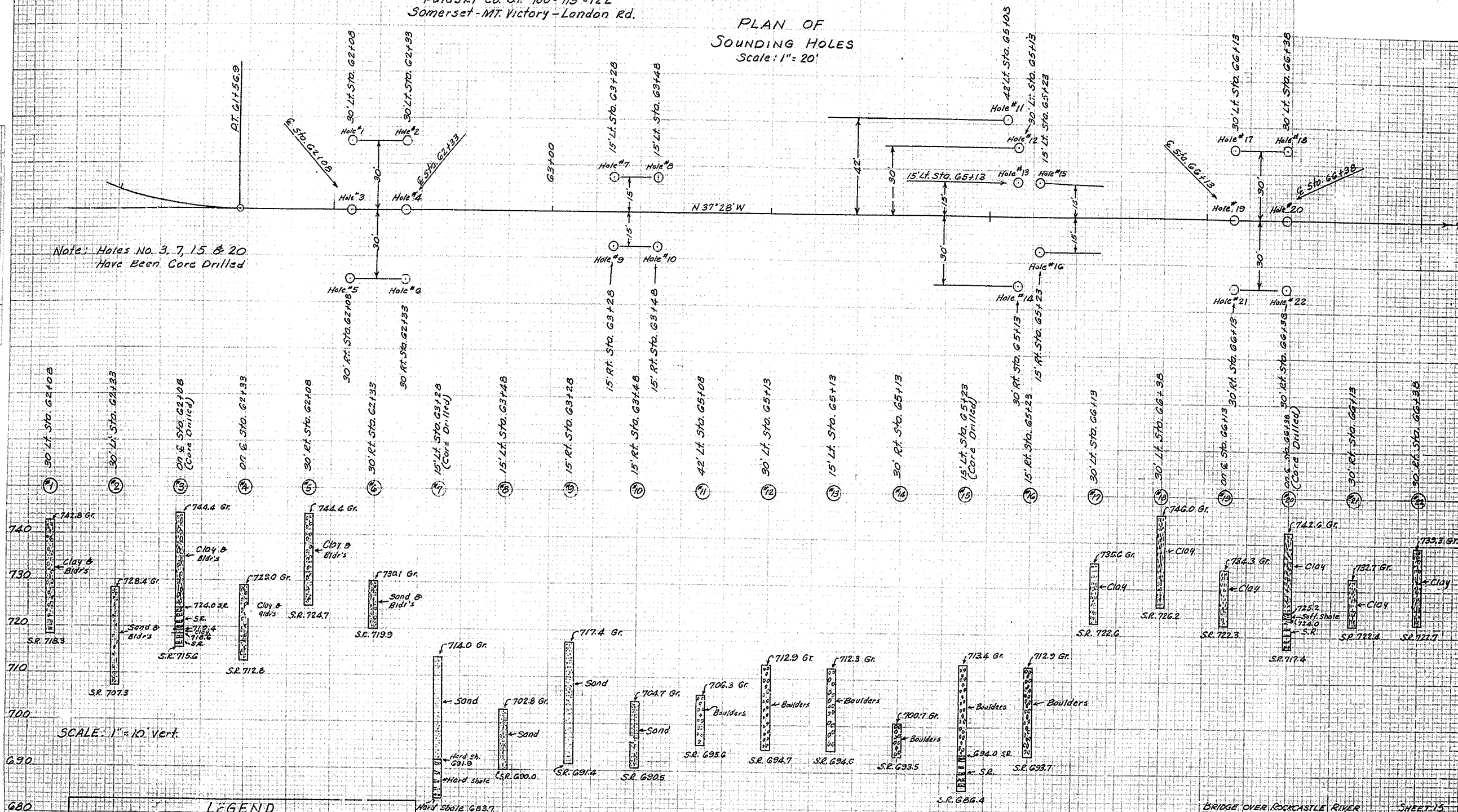
STATION 64+230 PROJECT NO.
BRIDGE NUMBER DRAWING NO. 15485

Laurel Co. S.P. G3-551-92
 Pulaski Co. S.P. 100-115-122
 Somerset-Mt. Victory-London Rd.

LOG OF SOUNDINGS

PLAN OF
 SOUNDING HOLES
 Scale: 1" = 20'

Note: Holes No. 3, 7, 15 & 20
 Have Been Core Drilled



SCALE: 1" = 10' Vert.

LEGEND						
CLAY & BLDRS	SAND & BLDRS	CLAY	SAND	S.R.	HARD SH.	SOFT SH. BOULDERS

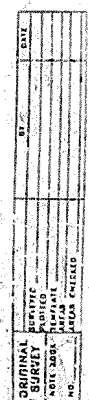
BRIDGE OVER ROCKCASTLE RIVER SHEET 15

KENTUCKY
DEPARTMENT OF HIGHWAYS
 COUNTY OF
 LAUREL & PULASKI
 SOMERSET - MT. VICTORY - LONDON
 ROAD
 STATE PROJECT SECTION DATE
 No. S.P. G3-551-92 11-2-62
 S.P. 100-115-122
 DIST. 11 62 6.0 4.00
 D. 109 No. 15435

PLATE 3 CROSS SECTION D. P. A. & L. STANDARD
 100' 150' 200' 250' 300' 350' 400' 450' 500' 550' 600' 650' 700' 750' 800' 850' 900' 950' 1000'

"PRELIMINARY"
LOG OF SOUNDINGS
BRIDGE STA. 64+23.

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



BRIDGE OVER ROCKCASTLE RIVER SHEET 107 OF 10

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
LAWRENCE & PULASKI
SOMERSET - VICTORY - LONDON
ROAD
STATE PROJECT SECTION DATE
NO. 0-223-551 94 2/17/96
3A 100-115 121
DRAFTER
CHECKED
DATE NO. 12-28-93

ERECTORS LIST FIELD RIVETS AND BOLTS AMERICAN BRIDGE

LINE NO.	NO. PCS.	Y. AM.	RIVETS	BOLTS	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD NUT WASH-ER TYPE OF BOLT		
1	18		2 1/2	Hex	11.5	NEW STRUCS. ALL GIRDS.
2	18		3 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
3	36		3 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
4	108		4	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
5	80		3 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
6	240		4	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
7	192		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
8	72		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
9	72		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
10	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
11	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
12	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
13	192		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
14	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
15	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
16	16		3	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
17	53		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
18	216		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015

LINE NO.	NO. PCS.	Y. AM.	RIVETS	BOLTS	THICKNESS OF MATERIAL CONNECTED	LOCATION
			LENGTH UNDER HEAD	HEAD NUT WASH-ER TYPE OF BOLT		
19	18		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
20	18		3 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
21	36		3 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
22	108		4	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
23	80		3 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
24	240		4	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
25	192		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
26	72		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
27	72		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
28	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
29	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
30	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
31	192		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
32	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
33	24		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
34	16		3	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
35	53		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015
36	216		2 1/2	Hex	11.5	TOE PLG. SPL. 8015 TO 5015

FIELD RIVETS AND BOLTS

MADE BY: AWK DATE: 4/1/5

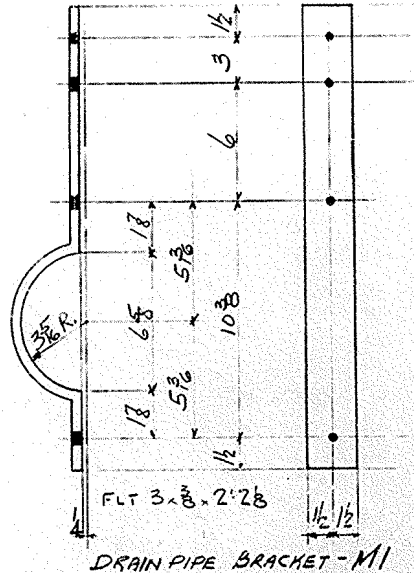
CHD BY: DPD DATE: 4/1/5

NAME OF STRUCTURE: BRIDGE OVER ROCKCASTLE RIVER KY.

IN CHARGE OF: ROANOKE ORDER NO. V8493

SHEET NO. EF1

SKETCH, SHOP AND SHIPPING BILL AMERICAN BRIDGE



MEMBER	MATERIAL	LENGTH	REMARKS	ORDERED	SHIPMENTS
NO. PCS.	NAME	MARK	NO. PCS.	SHAPE	LENGTH
1	96	APR. BKT. M1	96	FLT 3x8	2x28
2	192	BOLTS 3/4x1/2x1/2	192	BOLTS 3/4	0 2/4
3	192	STD. 3/4x1/2x1/2	192	STD. 3/4	0 2/4

PAINT YES

CONTACT SURFACES

MADE BY: AWK DATE: 4/1/5

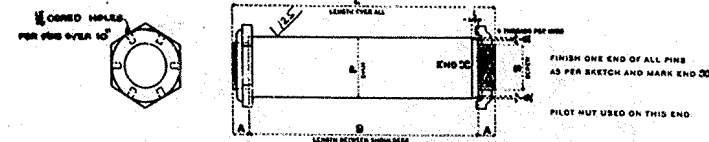
CHD BY: DPD DATE: 4/1/5

NAME OF STRUCTURE: BRIDGE OVER ROCKCASTLE RIVER LAUREL CO KY.

IN CHARGE OF: ROANOKE ORDER NO. V8493-X1

SHEET NO. C1

PINS AND NUTS AMERICAN BRIDGE



MEMBER			PIN				NUTS		ORDERED			SHIPMENTS
QTY.	NO. PCS.	MARK	DIAM. P.	LENGTH L FT. INCH.	DIAM. S.	LENGTH B FT. INCH.	NO. PCS.	PATTERN NO.	NO. PCS.	LENGTH FT. INCH.	ITEM	
1	4	CIP1	2	1 9/8	1 1/2	1 7/8	8 1/2	PNZ1			10 AG	
2	4	CIP2	2	1 7/8	1 1/2	1 5/8	8 1/2	PNZ1			507	
3												
4	1	PNZ					1 1/2					
5	1	PNZ					1 1/2					
6												
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PINS - ASTM-A108-61T Grade 1018 A1030 In-1
Nuts - ASTM-A7-Copper Br.

PINS - ASTM-A108-61T Grade 1018 & 1020 Pin 1

NUTS - ASTM-A7-Copper Br.

PILOT NUTS										DRIVING NUTS									
LINE NO.	NO. PCS.	DIAM. OF PIN P	LENGTH L	SCREW S		PATTERN NO.	ITEM	CALCULATED WEIGHT PER ONE PIECE	SHIPMENTS	N.O. PCS.	DIAM. OF PIN P	LENGTH L	SCREW S		PATTERN NO.	ITEM	CALCULATED WEIGHT PER ONE PIECE	SHIPMENTS	
22																			
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97																			
98																			
99																			
100																			

PIN AND NUTS

MATERIAL: See Above

PAINT: White Lead & Tallow

MADE BY: AWK DATE: 4/1/5

CHD BY: DPD DATE: 4/1/5

NAME OF STRUCTURE: Bridge over Rockcastle River - Kentucky

IN CHARGE OF: ROANOKE ORDER NO. V8493

SHEET NO. C1

Sheet 1-A

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
AUREL POL 4541

ROAD
P. E. PROJECT NO.
STATION
CONSTRUCTION PROJECT NO.
MAINTENANCE PROJECT NO.
DRAWING NO. 15408

FORM 700
 SKETCH, SHOP AND SHIPPING BILL
AMERICAN BRIDGE
BRIDGE DIVISION

SKETCH

LINE NO.	NO. FOR.	MARK	MATERIAL		LENGTH IN. FT.	WEIGHT LBS. KGS.	QUANTITIES			REMARKS
			SHAPE	SIZE			NO.	PERCENT	PERCENT	
1										
2	16	C2AB1	1/4" x 1/2"	1/8"	120	1.00			6	
3	16		1/4" x 1/2"	1/8"	114				5	
4	16	C2AB1	1/4" x 1/2"	1/8"	114				5	
5										
6										
7										
8	16	C2AB2	1/4" x 1/2"	1/8"	114					
9										
10										
11										
12	32	C2AB3	1/4" x 1/2"	1/8"	114	1.00				
13										
14										
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43										

ASTM-A7-G1T

PAINT: None

CONTACT SURFACES: _____

DATE: _____

BY: _____

REVISION: _____

IN CHARGE OF: _____

ORDER NO.: _____

QUANTITY: _____

PRICE: _____

Bridge Over Rockcastle River - Kentucky

[illegible]

DRAFT Pgs. 4/61
 HIGH STRENGTH BOLTS
 DIVISION
 UNITED STATES STEEL CORPORATION

AMERICAN BRIDGE

Sketch

THREAD LENGTH
BOLT LENGTH

2 LINE	3 Actual Number Req'd.	4 No. Shipped	5 Bolts		6 Washers		7 Total Calculated Weight	8 Ordered On Request			
			9 Dia.	10 Length	11 O.D.	12 Thick- ness			13 Hole		
1	108	598	1/8	2 1/2	8	4	2 1/2	16.5	60	647	77-R-0463
2	400	410		3 3/4						711	
3	180	180	1/4	1 1/2						306	
4	16	16	2 1/2	2 1/2						28	
5	548	546	5/16	3/4						2095	
6	101	101	1/2	1 1/2						150	
7	144	144	3/8	1 1/4						1555	
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HIGH STRENGTH STRUCTURAL BOLTS

Bolts, Nuts and Washers shall conform to ASTM Specification A325.

Vender shall furnish American Bridge Division 3 copies of test report showing compliance with the requirements of ASTM Specification A325.

BOLT DIMENSIONS AND MARKING

Bolt dimensions shall conform to ASA standard B18.2 for Heavy Finish Hexagonal Head Bolts, except the height of the head shall be that for Regular Finish Hexagonal Head Bolts, and length of thread shall be as shown in table.

Bolts are identified by three radial lines 120° apart on the head.

NUT DIMENSIONS AND MARKING

Nut dimensions shall conform to ASA standard B18.2 for Heavy Finish Hexagonal Nuts.

Nuts are identified by three circumferential helical lines 120° apart on one face of the nut, or by the number "2".

WASHER DIMENSIONS

Washer shall be flat and smooth and their nominal dimensions shall not be less than those shown in table, with tolerances conforming to ASA standard B27.2, Type A.

* NUTS TO BE ORDERED SEPARATELY

SUMMARY OF HEAVY FINISH FINISHED HEX NUTS

HEX. NUTS FOR 1/8 DIA. BOLTS

HEX. NUTS FOR 1/4 DIA. BOLTS

HEX. NUTS FOR 3/8 DIA. BOLTS

HEX. NUTS FOR 1/2 DIA. BOLTS

Modified dimensions of Clipped Washers are shown below:

A = 1/4 x Dia. of Bolt.

Bolt Dia.	Thread Length	Washers		
		Nominal Dimensions	Max. Thickness	Min. Thickness
1/8	1	1 1/2 x 1.09 x 1/8 Hole	.137	.065
1/4	1 1/4	1 7/8 x 1.34 x 1/4 Hole	.160	.080
3/8	1 1/2	2 x 1.48 x 3/8 Hole	.177	.122
1/2	1 3/4	2 1/8 x 1.65 x 1/2 Hole	.197	.156
5/8	2	2 3/8 x 1.85 x 5/8 Hole	.192	.156
3/4	2 1/4	3 x 2.05 x 3/4 Hole	.190	.156
7/8	2 3/4	3 1/8 x 2.25 x 7/8 Hole	.192	.156
1	3	3 1/2 x 2.40 x 1 Hole	.213	.

Sheet 1-B

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL-POLASKI

STATION	ROAD	P. E. PROJECT NO.	MAINTENANCE PROJECT NO.
1+00			
2+00			
3+00			
4+00			
5+00			
6+00			
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DRAWING NO.
15485

LETTING DATE

SKETCH SHEET
AMERICAN BRIDGE

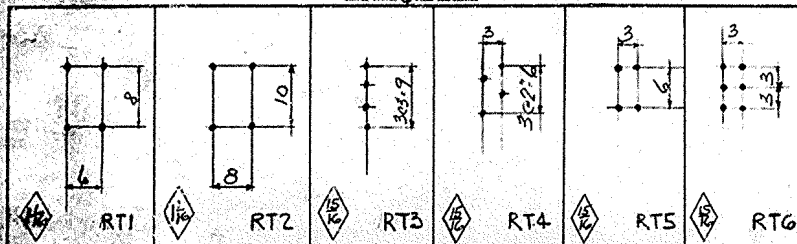


TABLE SHOWING NO. TIMES TEMPLATES USED ON EACH DRAWING

TEMP. NO	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
RT1	4	2	2							8			16
RT2				4	2	2				8			16
RT3	20	20	20	16	16	16	6	6	6			126	252
RT4	20	20	20	16	16	16	6	6	6			126	252
RT5	20	20	20	16	16	16	6	6	6			126	252
RT6		18	16		16	16		8	6			80	160

READING TEMPLATES

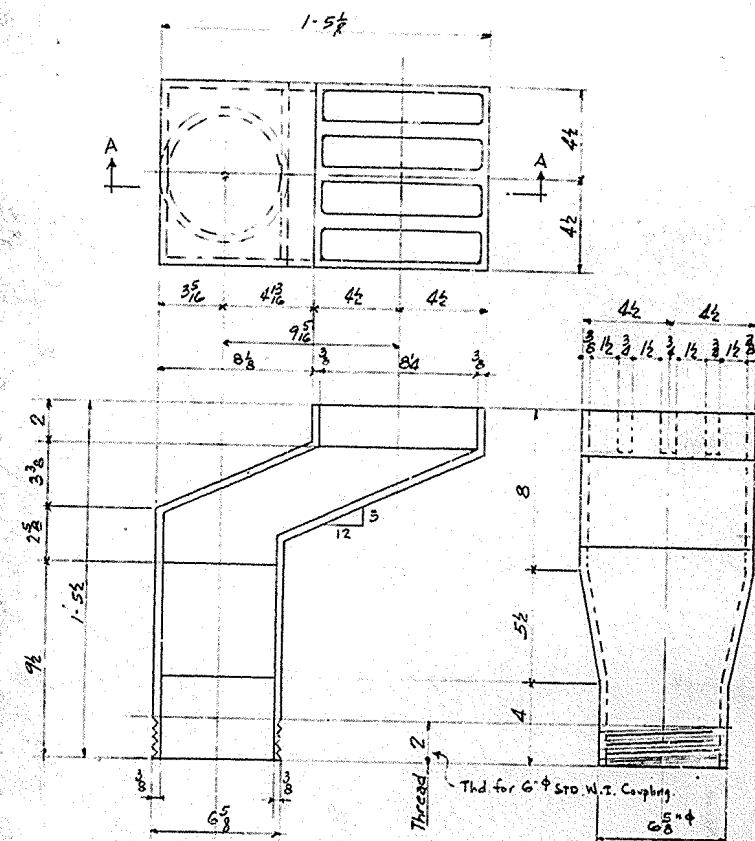
Note to Shop:
Spacing on this Sheet is not to be
used for making templates.
Refer to detail dwgs for Spacing
of Holes for all templates.

UPPER 10' TO 10' 10'		TYPE	DATE	SECTION		IN CHARGE OF	SHEET No.
PAINT	NOTED	MADE BY	DATE	ROANDKE		ORDER No.	RTI
CONTACT SURFACES		CHIEF BY	DATE	ROANDKE		V8473	
NAME OF STRUCTURE ROSE OVER ROCKCASTLE RIVER - JOHNSON - LONDON AR - LONDON, LAUREL, PULASKI CO. KY PROJECT ARH 57-1(3) MATTHEW AR 228 CO.							

FORM 544
SKETCH, SHOP AND SHIPPING BILL
AMERICAN BRIDGE

[illegible]

SKETCH SHEET
AMERICAN BRIDGE



SECT A-A

CAST IRON DRAIN - SC2CDI

16 REQUIRED $\begin{cases} 6-1^{st} \text{ Div} \\ 10-2^{nd} \text{ Div} \end{cases}$
(Est. Wt 74 lb.)

order
77-R-0461

SHIP DIRECT

Foundry Note:

All drains to be gray Iron castings ASTM-A48-GOT 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.

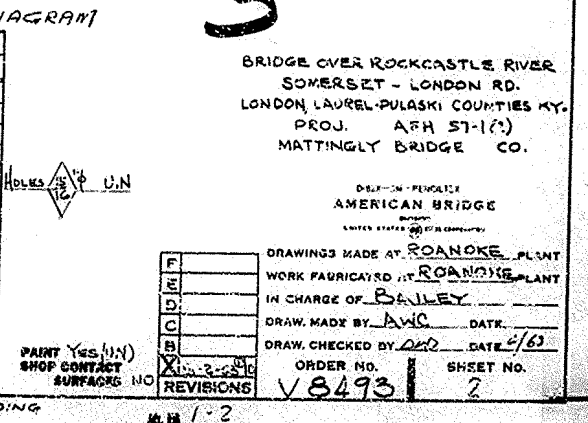
PAINT		RYTEL	HOLDS	DRAWINGS	NAME	DATE	DRAWINGS		IN CHARGE OF	SHEET No.																																																																																												
CONTACT SURFACES				MADE BY	NO. 1	NO. 2	NO. 3	NO. 4			NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12	NO. 13	NO. 14	NO. 15	NO. 16	NO. 17	NO. 18	NO. 19	NO. 20	NO. 21	NO. 22	NO. 23	NO. 24	NO. 25	NO. 26	NO. 27	NO. 28	NO. 29	NO. 30	NO. 31	NO. 32	NO. 33	NO. 34	NO. 35	NO. 36	NO. 37	NO. 38	NO. 39	NO. 40	NO. 41	NO. 42	NO. 43	NO. 44	NO. 45	NO. 46	NO. 47	NO. 48	NO. 49	NO. 50	NO. 51	NO. 52	NO. 53	NO. 54	NO. 55	NO. 56	NO. 57	NO. 58	NO. 59	NO. 60	NO. 61	NO. 62	NO. 63	NO. 64	NO. 65	NO. 66	NO. 67	NO. 68	NO. 69	NO. 70	NO. 71	NO. 72	NO. 73	NO. 74	NO. 75	NO. 76	NO. 77	NO. 78	NO. 79	NO. 80	NO. 81	NO. 82	NO. 83	NO. 84	NO. 85	NO. 86	NO. 87	NO. 88	NO. 89	NO. 90	NO. 91	NO. 92	NO. 93	NO. 94	NO. 95	NO. 96

Bridge over Rockcastle Bridge - Kentucky

SHEET 1-C

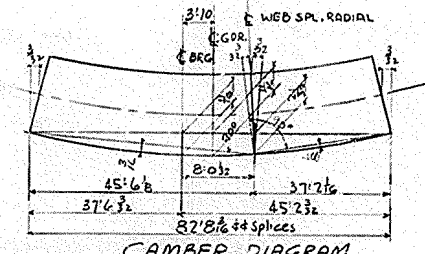
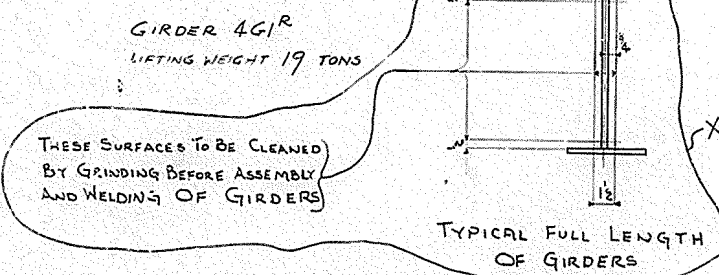
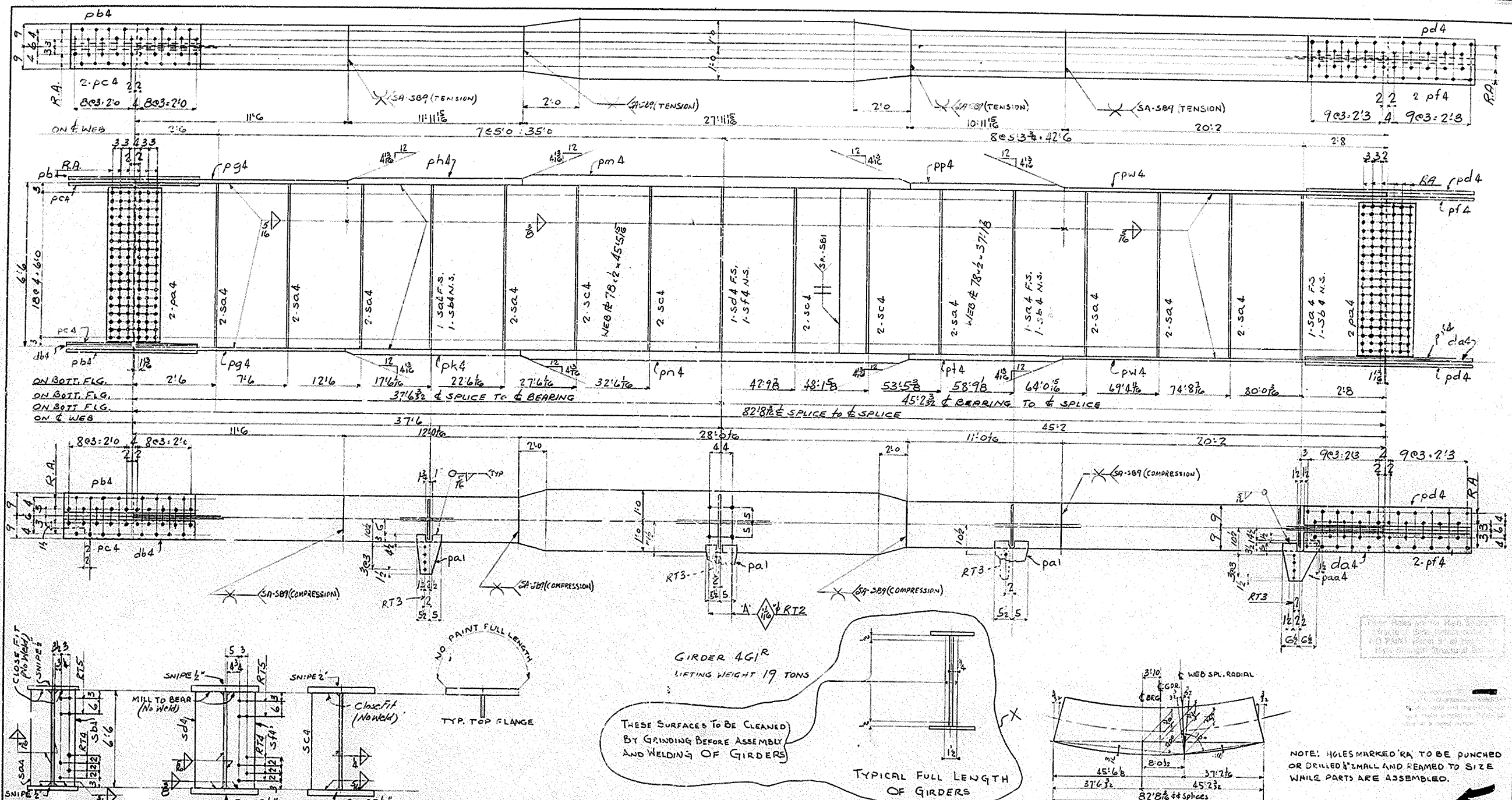
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LAUREL - PULASKI

ROAD		
P. E. PROJECT NO.		
STATION		
CONSTRUCTION PROJECT NO.	MAINTENANCE PROJECT NO.	DRAWING NO.
		15485

[illegible]

F		DRAWINGS MADE AT <u>ROANOKE</u> PLANT
E		WORK FABRICATED AT <u>ROANOKE</u> PLANT
D		IN CHARGE OF <u>BAILEY</u>
C		DRAW. MADE BY <u>AWC</u> DATE _____
B		DRAW. CHECKED BY <u>AWC</u> DATE <u>4/63</u>
A		ORDER NO. _____ SHEET NO. _____
<u>212-2-28</u> REVISIONS		<u>V8493</u> <u>2</u>

4. 1-2



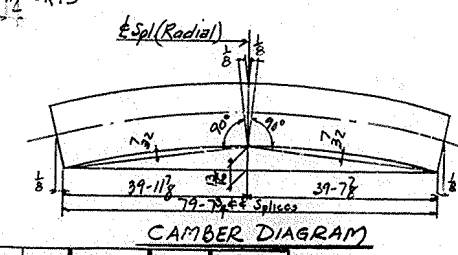
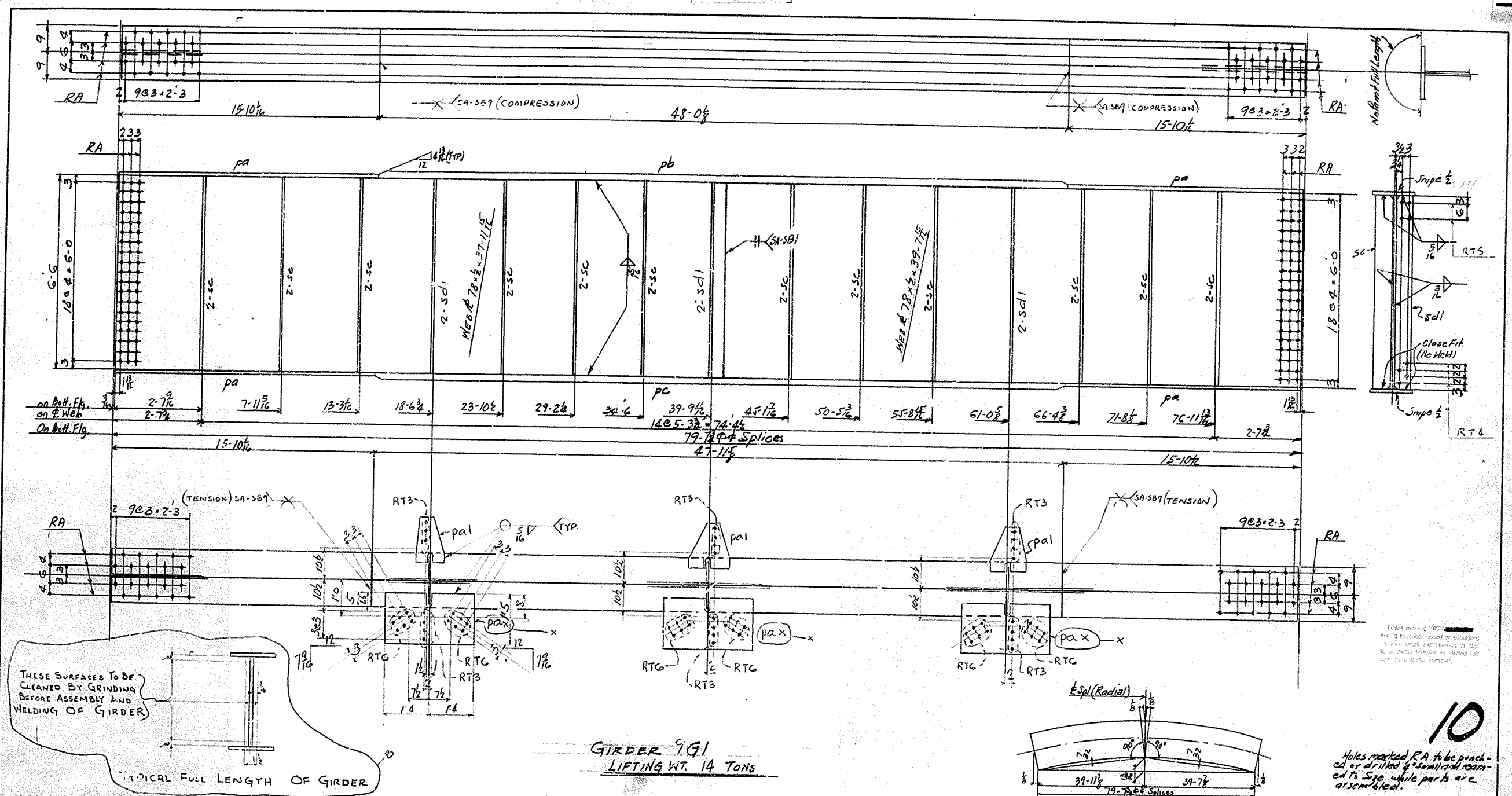
LINE	ITEM	SHAPE	LENGTH	REMARKS	ORDERED	LINE	ITEM	SHAPE	LENGTH	REMARKS	ORDERED	LINE	ITEM	SHAPE	LENGTH	REMARKS	ORDERED
1	2	GIRDER	46' 0"	1/1		16	8	RT 18 1/2	5 1	RT4		31					
2	2	GIRDER	46' 0"	1/1		17	16	RT 8 1/2	5 1	RT4		32					
3	4	WEB 78 1/2	45 5/8			18	4	FLW 8 1/2	5 1	RT4		33					
4	4	WEB 78 1/2	45 5/8			19	12	RT 102 3/4	1 3	RT1		34					
5	8	RT 18 1/2	11 5/8	RT4		20	4	RT 13 1/2	1 3/2	RT4		35					
6	4	RT 18 1/2	11 5/8	RT4		21	8	RT 8 1/2	6 6	RT4		36					
7	4	RT 18 1/2	11 5/8	RT4		22	8	RT 8 1/2	6 6	RT4		37					
8	4	RT 24 1/2	27 11/16	RT4		23	8	RT 8 1/2	6 6	RT4		38					
9	4	RT 24 1/2	27 11/16	RT4		24	1	RT 10 3/8	6 6	RT4		39					
10	4	RT 18 1/2	11 5/8	RT4		25	1	RT 10 3/8	6 6	RT4		40					
11	4	RT 18 1/2	11 5/8	RT4		26	4	RT 8 1/2	4 7	RT4		41					
12	8	RT 18 1/2	11 5/8	RT4		27	8	RT 8 1/2	4 7	RT4		42					
13	16	RT 19 1/2	6 3	RT4		28	8	RT 8 1/2	4 7	RT4		43					
14	8	RT 18 1/2	4 7	RT4		29						44					
15	16	RT 8 1/2	4 7	RT4		30						45					

SHOP NOTE:
ALL MATERIAL ASTM A36

PAINT (YES (U.N)
SHOP CONTACT
SURFACES NO

WELDING

BRIDGE OVER ROCKCASTLE RIVER
SOMERSET - LONDON RD.
LONDON, LAUREL-POLASKI COUNTIES KY.
PROJ. LFH 57-1(5)
MATTINGLY BRIDGE CO.
DRAWN BY: J. W. PHELPS
AMERICAN BRIDGE
DRAWINGS MADE AT ROANOKE PLANT
WORK FABRICATED AT ROANOKE PLANT
IN CHARGE OF BAILEY
DRAW. MADE BY: AWC DATE: 12-63
DRAW. CHECKED BY: DW DATE: 1-64
ORDER NO. V8493 SHEET NO. 4



LINE	ITEM	MATERIAL	LENGTH	ASSEMBLY MARK	REMARKS	CALCULATED WEIGHT FOR ONE SHOP PIECE	ORDERED	ITEM	LINE	ITEM	MATERIAL	LENGTH	ASSEMBLY MARK	REMARKS	CALCULATED WEIGHT FOR ONE SHOP PIECE	ORDERED	ITEM	LINE	ITEM	MATERIAL	LENGTH	ASSEMBLY MARK	REMARKS	CALCULATED WEIGHT FOR ONE SHOP PIECE	ORDERED	ITEM
1									10									46								
2									11									47								
3									12									48								
4									13									49								
5									14									50								
6									15									51								
7									16									52								
8									17									53								
9									18									54								
10									19									55								
11									20									56								
12									21									57								
13									22									58								
14									23									59								
15									24									60								

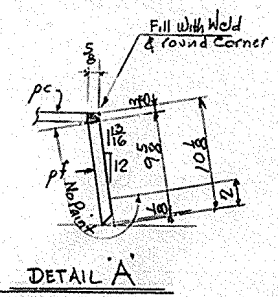
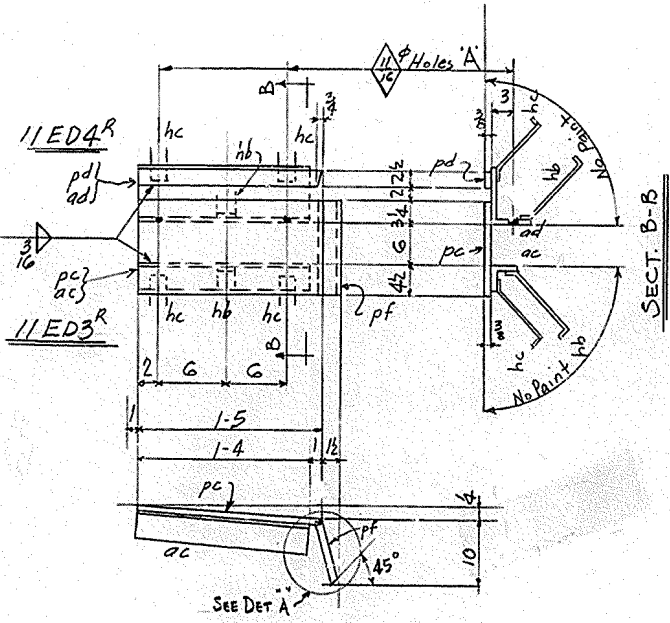
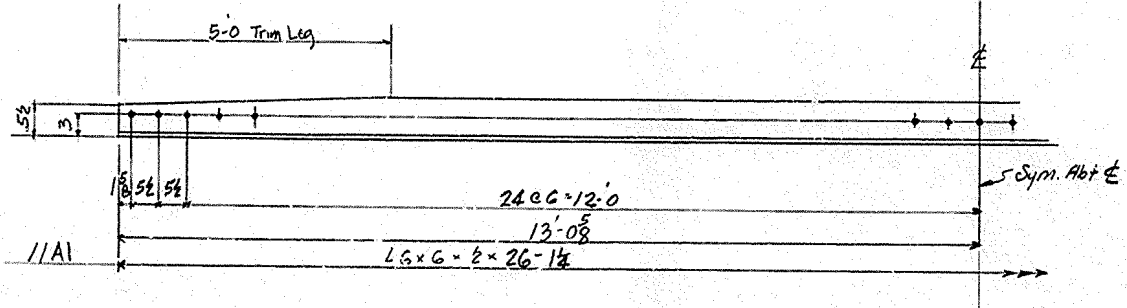
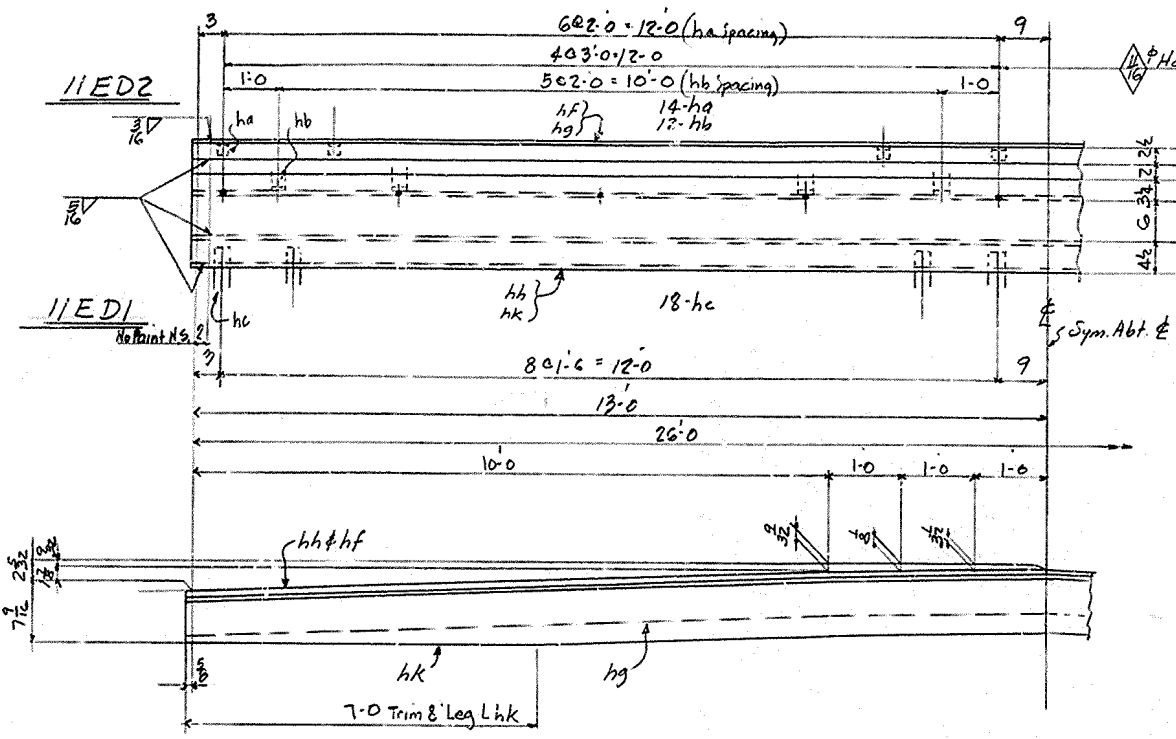
BRIDGE OVER ROCKCASTLE RIVER
SOMERSET - LONDON RD.
LONDON, LAUREL ALASKA CO. KY.
PROJ. 4FH 57-1(3)
MATTLINGLY BRIDGE CO.

U-823-34 - PENCIL
AMERICAN BRIDGE
DRAWINGS MADE AT Roanoke PLANT
WORK FABRICATED AT Roanoke PLANT
IN CHARGE OF Boiley
DRAW. MADE BY AWC DATE
DRAW. CHECKED BY DWD DATE 4-23
ORDER NO. 18493 SHEET NO. 9

PAINT YES/UN
SHOP CONTACT SURFACES/16

Welding 1-2

Div. 2



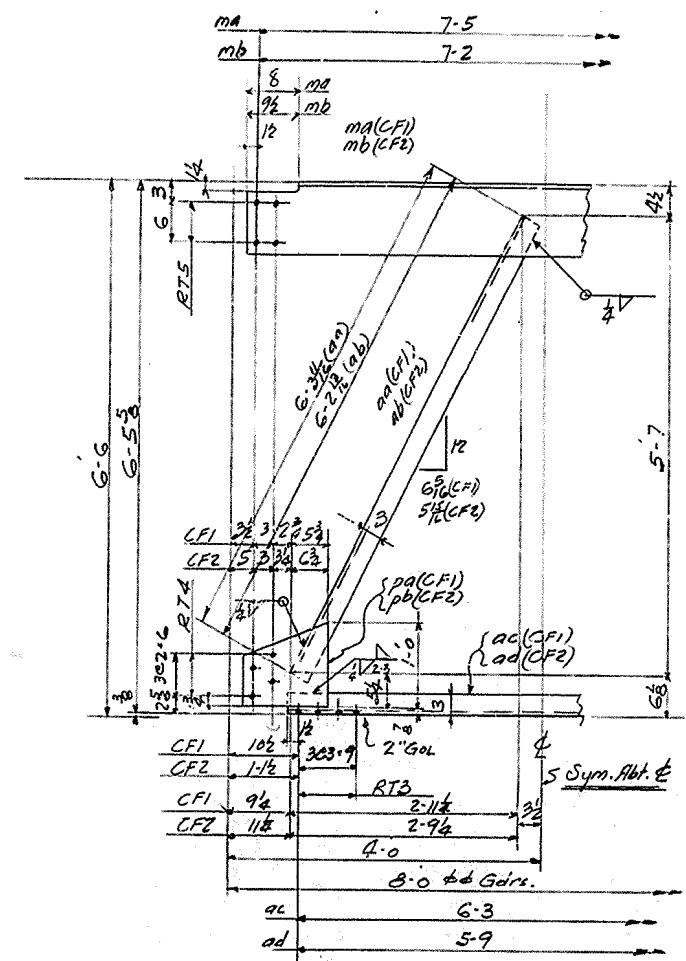
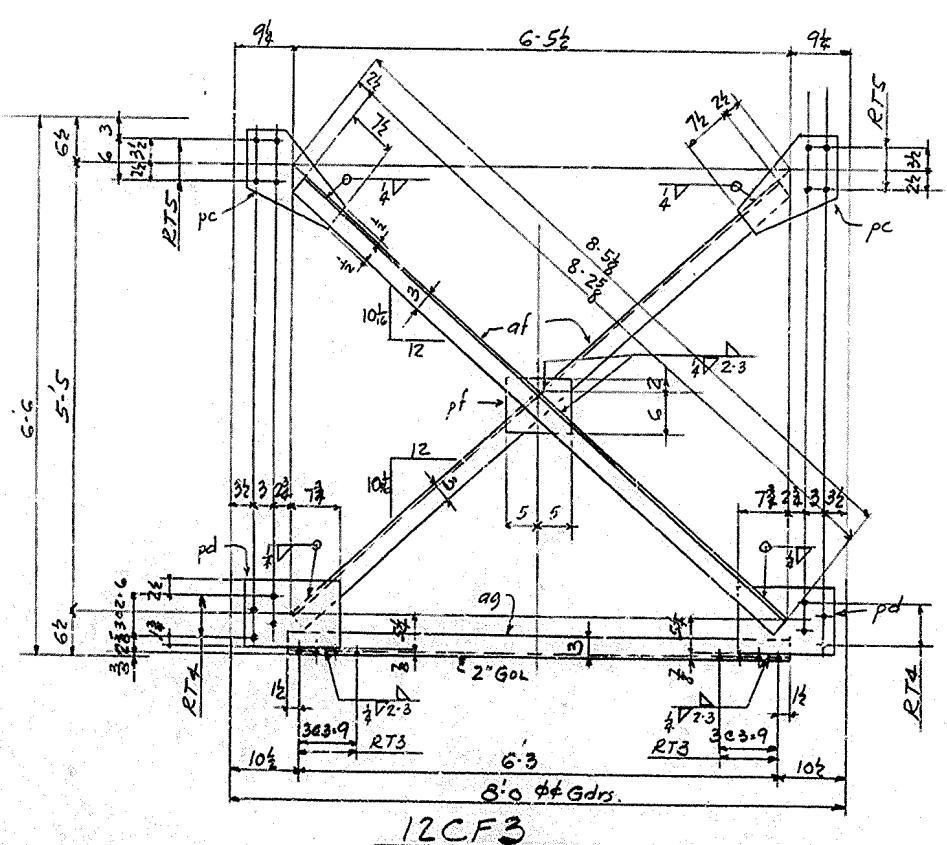
LINE	ITEM	DESCRIPTION	QUANTITY	UNIT	REMARKS	ORDERED	DELIVERED
1	1	2 Exp Dams 11ED1	2	EA			
2	2	2 Exp Dams 11ED2	2	EA			
3	3	2 Exp Dams 11ED3	2	EA			
4	4	2 Exp Dams 11ED4	2	EA			
5	5	2 Exp Dams 11ED5	2	EA			
6	6	2 Exp Dams 11ED6	2	EA			
7	7	2 Exp Dams 11ED7	2	EA			
8	8	2 Exp Dams 11ED8	2	EA			
9	9	2 Exp Dams 11ED9	2	EA			
10	10	2 Exp Dams 11ED10	2	EA			
11	11	2 Exp Dams 11ED11	2	EA			
12	12	2 Exp Dams 11ED12	2	EA			
13	13	2 Exp Dams 11ED13	2	EA			
14	14	2 Exp Dams 11ED14	2	EA			
15	15	2 Exp Dams 11ED15	2	EA			
16	16	2 Exp Dams 11ED16	2	EA			
17	17	2 Exp Dams 11ED17	2	EA			
18	18	2 Exp Dams 11ED18	2	EA			
19	19	2 Exp Dams 11ED19	2	EA			
20	20	2 Exp Dams 11ED20	2	EA			
21	21	2 Exp Dams 11ED21	2	EA			
22	22	2 Exp Dams 11ED22	2	EA			
23	23	2 Exp Dams 11ED23	2	EA			
24	24	2 Exp Dams 11ED24	2	EA			
25	25	2 Exp Dams 11ED25	2	EA			
26	26	2 Exp Dams 11ED26	2	EA			
27	27	2 Exp Dams 11ED27	2	EA			
28	28	2 Exp Dams 11ED28	2	EA			
29	29	2 Exp Dams 11ED29	2	EA			
30	30	2 Exp Dams 11ED30	2	EA			
31	31	2 Exp Dams 11ED31	2	EA			
32	32	2 Exp Dams 11ED32	2	EA			
33	33	2 Exp Dams 11ED33	2	EA			
34	34	2 Exp Dams 11ED34	2	EA			
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36	36	2 Exp Dams 11ED36	2	EA			
37	37	2 Exp Dams 11ED37	2	EA			
38	38	2 Exp Dams 11ED38	2	EA			
39	39	2 Exp Dams 11ED39	2	EA			
40	40	2 Exp Dams 11ED40	2	EA			
41	41	2 Exp Dams 11ED41	2	EA			
42	42	2 Exp Dams 11ED42	2	EA			
43	43	2 Exp Dams 11ED43	2	EA			
44	44	2 Exp Dams 11ED44	2	EA			
45	45	2 Exp Dams 11ED45	2	EA			
46	46	2 Exp Dams 11ED46	2	EA			
47	47	2 Exp Dams 11ED47	2	EA			
48	48	2 Exp Dams 11ED48	2	EA			
49	49	2 Exp Dams 11ED49	2	EA			
50	50	2 Exp Dams 11ED50	2	EA			
51	51	2 Exp Dams 11ED51	2	EA			
52	52	2 Exp Dams 11ED52	2	EA			
53	53	2 Exp Dams 11ED53	2	EA			
54	54	2 Exp Dams 11ED54	2	EA			
55	55	2 Exp Dams 11ED55	2	EA			
56	56	2 Exp Dams 11ED56	2	EA			
57	57	2 Exp Dams 11ED57	2	EA			
58	58	2 Exp Dams 11ED58	2	EA			
59	59	2 Exp Dams 11ED59	2	EA			
60	60	2 Exp Dams 11ED60	2	EA			
61	61	2 Exp Dams 11ED61	2	EA			
62	62	2 Exp Dams 11ED62	2	EA			
63	63	2 Exp Dams 11ED63	2	EA			
64	64	2 Exp Dams 11ED64	2	EA			

Exp Dams 12
 BRIDGE OVER ROCKCROSSE RIVER
 SOMERSET, LONDON RD.
 LONDON, LAUREL, PLANK, KY.
 PROJ. AFH 37-1 (3)
 MATTINGLY BRIDGE CO.
 DIVISION
 UNITED STATES OF AMERICA
 DRAWINGS MADE AT Roanoke PLANT
 WORK FABRICATED AT Roanoke PLANT
 IN CHARGE OF Paul
 DRAWN BY DUP DATE 2-24-63
 DRAWN CHECKED BY AWC DATE 2-15-63
 ORDER NO. Y 8493 SHEET NO. 11

PAINT: YES (UN)	SHOP CONTACT SURFACES: NO
FOR LOCATION OF DETAILS REFER TO THIS SHEET REFER TO ERECTION PLANS	E1-E2

Welding

Part	A	B	C	D	E
12LD1	6'0"	8'10"	8'8"	10'8"	10'11"
12LD2	5'9"	8'10"	7'8"	10'6"	10'9"
12LD3	5'6"	8'10"	7'8"	10'8"	10'8"
12LD4	5'6"	9'6"	6'8"	10'11"	11'2"
12LD5	5'9"	9'6"	7'8"	11'11"	11'4"
12LD6	6'0"	9'6"	7'8"	11'2"	11'5"



LINE	ITEM	QTY	DESCRIPTION	REMARKS	ORDERED	REVISIONS
1	20	5	5TCB 12.5 10 11 12 12LD1			
2	2	5	5TCB 12.5 10 9 8 12LD2			
3	2	5	5TCB 12.5 10 8 8 12LD3			
4	2	5	5TCB 12.5 11 2 3 12LD4			
5	2	5	5TCB 12.5 11 4 4 12LD5			
6	12	5	5TCB 12.5 11 5 5 12LD6			
7	27	5	27 Cross Frames 12CF1			
8	27	5	27 Cross Frames 12CF2			
9	27	5	27 Cross Frames 12CF3			

Lateral & Cross Frames 13
 BRIDGE OVER ROCKCASTLE RIVER
 SOMERSET - LONDON RD.
 LONDON, LAUREL RUN CO. KY.
 PROJ. AFH 57-1(3)
 MATTINGLY BRIDGE CO.

Open Holes are for High Strength Structural Bolts. No PAHT within 5" of Holes for High Strength Structural Bolts.

Paint: Yes (UN)
 Shop Contact Surfaces: No

FOR LOCATION OF DETAILS SHOWN ON THIS SHEET REFER TO ERECTORY PLANS.
 E1-E2

REVISIONS
 1
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Welding

12